RADIO

1929 PRE INVENTORY CLEARANCE

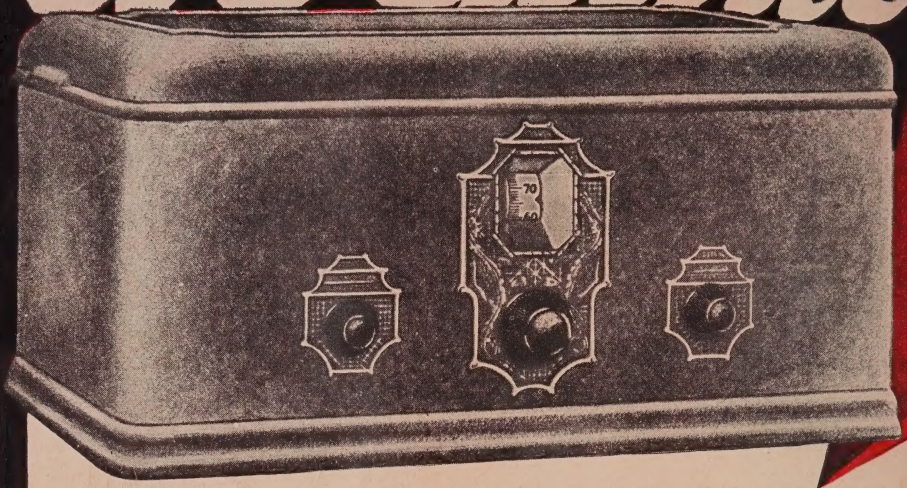
THE PRICE SLASHING EVENT OF THE YEAR

A·C· SETS D·C· SETS
DYNAMIC SPEAKERS
ACCESSORIES
PARTS· KITS AND
EVERYTHING IN RADIO

NET WHOLESALE PRICES

ALLIED RADIO CORPORATION
711 W LAKE ST CHICAGO ILL

A.C. Electric 6



NEW KNIGHT SYMPHONIC

The Season's Outstanding Radio Value

THE new vogue in radio—the trend to brightening colors in the home in wrought iron and metal finds real expression in the **Knight Symphonic 6-7 Receiver.** It combines the utmost in radio efficiency—**shielded construction — A.C. operation — illuminated drum control—tone quality—distance range,** plus perfect engineering and an overall attractiveness that makes it a fitting companion to the furnishings of any home.

Sensitivity

Perfect engineering results in a sensitiveness that brings in the faintest signals—builds them up to tremendous volume and reproduces them with marvelous tone quality.

Power!

In the Symphonic you will find a **reserve of power—ability to reach out**—volume that is ample for all needs,—yet an ease in tuning that will astound you.

Selectivity

Shielded construction coupled with efficient circuit design insures **razor like selectivity** — eliminates overlapping and extraneous noises. It's radio as you want it.

Beautiful Colored Cabinets

THESE big beautiful metal cabinets present an imposing appearance in any setting. In **colors they add a touch of cheeriness** and brightness to any room. They measure 19½ inches long, 14½ inches deep and 9¾ inches high. The beautiful embossed and etched Chinese design escutcheons are in harmonious keeping with the cabinet. The illuminated drum—providing perfect control—permits operation in the dark.

New Low Prices!

The complete Symphonic Knight 6-7 A.C. Receivers without accessories, as illustrated above.

No. 9801—Brown Bronze
No. 9803—Chinese Red
No. 9805—Chinese Green
$80.00 Value **Your Price** **$37.95**

Complete With Accessories

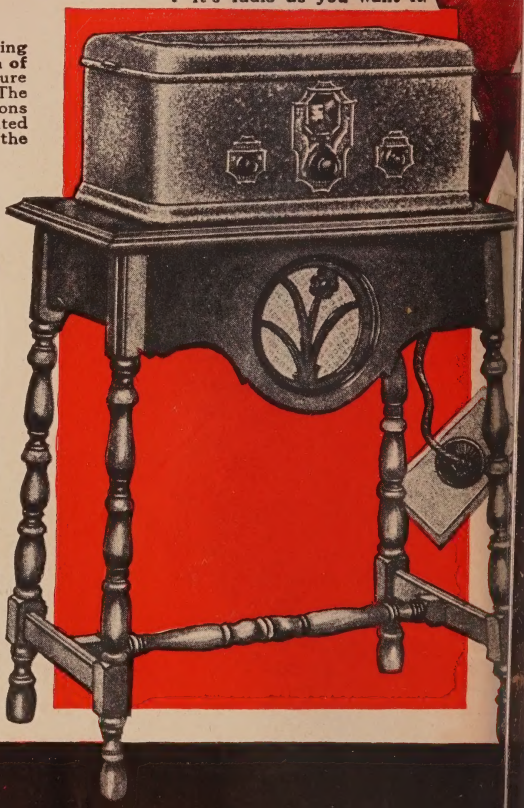
Here the Symphonic is offered with accessories including four type 226 A.C. tubes; one type 171; one type 227 and one type 280 rectifier tube, along with all necessary aerial and ground equipment.

No. 9802—Brown Bronze
No. 9804—Chinese Red
No. 9806—Chinese Green
$105.00 Value **Your Price** **$50.95**

Speaker Tables to Match

These speaker tables provide the ideal setting for Symphonic Receivers. Their beautiful design and attractive finish is in keeping with the famous Farrand Cone Speaker with which they are equipped. They combine beauty with utility—wonderful tone quality with remarkable appearance. Table stands 30 inches high by 26x17 inches.

No. 9201—Walnut Finish
No. 9202—Chinese Red
No. 9203—Chinese Green
$50.00 Value **Your Price** **$17.50**



Radio's most Beautiful Console Set

CANTERBURY A-C ELECTRIC Knight 6-7

WONDERFUL TONE QUALITY

THOSE who desire **tone quality** above everything else, will **delight** in the **performance** of the Canterbury Knight 6/7. Its **wonderful** tone quality, soft and mellow, yet **offering ample volume** for all needs is combined with remarkable **selectivity**, unusual sensitiveness, and remarkable distance range. For 105 to 120 volt, 50-60 cycle A-C Current.

THE CONSOLE BEAUTIFUL

The beautiful Canterbury Console is **substantially constructed** of carefully **selected** and **matched** genuine walnut woods, with attractive **scroll design** over-lays on the doors. The attractively turned legs are substantially reinforced by a beautiful **ornamented stretcher**, imparting unusual rigidity to the console. Hand-rubbed and beautifully shaded—lacquer finish.

FOR YOUR FINEST TRADE

Your better trade will be **quick to appreciate** the many advantageous features of the Canterbury Knight 6/7. Its striking appearance, coupled with its **wonderful tone quality**—real **A-C** operation, **distance range**, selectivity, and power, is sure to please the most critical. Its dignified **attractive design** adapts it for use in the most finely furnished homes, while its beautiful **two-tone finish** will harmonize with any type of furnishings. Stands 62 in. high, 28 in. wide, 18 in. deep.

FARRAND SPEAKER—BUILT-IN

The Canterbury comes to you equipped with the **famous Farrand Magnetic** Cone Speaker that has **earned for itself** such an **enviable** reputation for quality. It covers the **entire musical scale**, from the lowest to the highest notes, with **remarkable** fidelity. Its soft, **mellow tone quality** will prove a revelation to you in **true tonal reproduction.**

FAMOUS KNIGHT 6/7 CIRCUIT

In the Knight 6/7 Circuit, you will find **incorporated** the most **advanced** features in radio construction that modern **engineering has produced. Three** stages of **tuned radio frequency** assure remarkable distance range. Employs new type Y-227 5-prong, A-C Detector Tube. Two stages of **audio** amplification employing a **power** tube, assures remarkable tone quality and volume.

POWERFUL—SELECTIVE

Perfect design, coupled with advanced engineering principles, imparts to the **Knight Circuit** unusual selectivity. It is adaptable for use in the most **congested** broadcasting districts. The remarkable **sensitivity** of the Knight Circuit assures wonderful **distance** range. The one-dial illuminated drum control **simplifies** tuning.

SET ONLY

The Canterbury Knight 6/7 is here offered for **A-C operation** complete with the **Knight 6/7 Chassis**, built-in **Farrand** Speaker, and beautiful console as illustrated above. Shpg. wt., 145 lbs.

No. 9815. List price, $160.

YOUR PRICE .....

$74.45

No. 9938. Same as above, except equipped with a genuine Farrand 110-Volt A-C Dynamic Speaker. Shipping weight, 155 lbs.

$87.45

Complete—Ready To Operate

Equipment includes 4 type X226 A-C Tubes, 1 type Y-227 Detector Tube, 1 type 171 Power Tube, and 1 type X280 Rectifier Tube; along with all necessary aerial and ground equipment. Total weight, 155 lbs.

No. 9816. List value, $190.00.

YOUR PRICE .....

$87.45

No. 9939. With all accessories same as above, except equipped with a genuine Farrand Dynamic Cone Speaker. Shpg. wt., 165 lbs

$100.45

PRE INVENTORY

PRICES CUT TO THE BONE

The Greatest Stock Reducing Sale of the year

VALUES THAT SMASH ALL RECORDS

The low net prices quoted in this catalog are **strictly wholesale prices.** You who know radio will be **quick to appreciate** the many **unusual values** that are offered. This great **pre-inventory clearance sale** is an event that is looked forward to by hundreds of Allied dealers throughout the country. Our tremendous stocks of radio merchandise **must be reduced** and to accomplish the great stock reducing schedule, we have set for ourselves **prices have been cut to the bone.** Throughout the many pages of this catalog you will find listed the **products of the country's foremost manufacturers** in radio parts, kits, accessories and furniture. **Everything in our large stock of radio equipment is included in this great pre-inventory clearance sale.**

NOW IS THE TIME TO BUY

Prices are now at their LOWEST LEVEL for the year. The Radio season is in full swing and the DEMAND FOR RADIO RECEIVERS, SETS AND PARTS IS AT ITS GREATEST HEIGHT, assuring the dealer of a QUICK TURN-OVER and SUBSTANTIAL PROFIT ON HIS SALES while, at the same time, he is NOW ABLE TO PURCHASE HIS SUPPLIES AT ATTRACTIVE SAVINGS THROUGH THIS TREMENDOUS PRE-INVENTORY STOCK REDUCING SALE.

BEAT ANY COMPETITION

This large catalog places before you ONE OF THE LARGEST STOCKS of radio supplies ever GATHERED TOGETHER UNDER ONE ROOF—at NEW LOW PRICES that enable you to MEET YOUR COMPETITION. Now is the time to get busy. These low prices coupled with the unusual variety and assortment of equipment offered PLACES YOU IN A POSITION TO ACTIVELY ENGAGE IN THE RADIO BUSINESS with the assurance of SUBSTANTIAL PROFITS for your efforts.

ACT NOW! for Big Profits

NEVER before in the history of radio have we been able to offer the thousands of radio dealers throughout the country **such smashing values in standard nationally advertised radio merchandise.** Our tremendous purchasing power has placed us in an **enviable position to buy at a price**—and these savings are reflected to you **throughout the pages of this catalog,** not only in parts and accessories, but in **complete sets and consoles,** as well as the **popular accessories** of the season. Never before has there been offered **such a wide variety of all that is new and worth while in radio.** In effecting these low prices, the quality of the merchandise has not been compromised. You are offered **quality first** and **lower prices as a result of our unusual** purchasing power. In placing these radio values before you, **we are doing our part in making it possible for you** to realize the **unusual profits** that are to be made in radio this season.

It's easy to order from ALLIED!

Our established policy of offering our dealers **only such merchandise that passes our own rigid tests for quality** means that you can depend upon the merchandise you select from this catalog. Every item listed is **faithfully described and offers you in quality a value far in excess of the prices we ask.** Every effort, every precaution is made to select for and offer our trade only such merchandise that **has established a reputation for quality and represents a real value.**

ORDER FROM THIS CATALOG

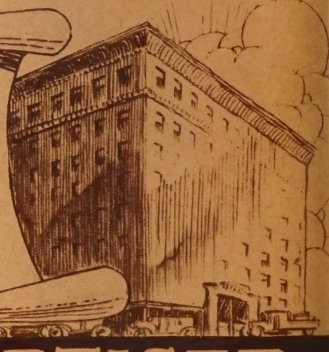
In the compilation of this catalog, GREAT CARE HAS BEEN USED TO MAKE IT CLEAR AND CONCISE. You can ORDER DIRECT FROM ITS PAGES with the assurance that the MERCHANDISE YOU RECEIVE WILL BE AS DESCRIBED and DEPENDABLE in every respect and backed by our broad guarantee as given below. NO MATTER HOW SMALL YOUR ORDER, IT WILL RECEIVE THE SAME PROMPT AND CAREFUL ATTENTION AS YOUR LARGER ORDERS.

USE OUR ORDER BLANK

For your convenience in sending in your first order, an order blank is enclosed. FILL OUT THE ORDER CAREFULLY, MAKING SURE YOUR NAME AND ADDRESS IS PLAINLY SHOWN so that no delay may occur to the order. Additional order blanks will be SUPPLIED ON REQUEST.

Guarantee

We guarantee every piece of radio apparatus we sell to operate in the manner intended for such apparatus. Examine the goods we ship you; any article which does not meet our guarantee, if returned at once, will be exchanged for perfect merchandise. We are able to make this guarantee because we handle the best grade of carefully tested merchandise.



NATIONALLY ADVERTISED QUALITY MERCHANDISE

CLEARANCE

New Low Wholesale Prices.

The low prices quoted in this catalog are **strictly wholesale prices.** They enable you to **lize a handsome profit on all your radio sales.** They place thousands of dealers and agents throughout the **untry in a better position than ever before to meet all competition.** They enable you to **realize larger profits** your sales and at the same time **offer your customers greater values.** These low prices coupled with our **ight allowance on orders of $50.00 or more** places the goods on your floor at **remarkable savings.** The mer**ndise offered in this catalog has been carefully selected as the most popular and best selling items of the ason.** It is new merchandise—**no job lots**—no make shifts. Packed in **original factory cartons,** it comes to **u in perfect condition.** The service, the quality and the value you receive here **will warrant an ever increasing lume of your business.** We cannot succeed unless we satisfy you. Our tremendous sales volume of the past ample testimony of the satisfaction thousands of dealers throughout the country have received from Allied.

Tremendous Stocks..

In your purchases from Allied you are drawing on a **tremendous reserve stock** that **enables immediate ship**ent of your orders. Thousands of square feet of floor space are **literally loaded** with all that is new in radio—**eady for your call.** These tremendous stocks mean that during the **height of the season** when the **rush of your ade demands super service, your shipments will go forward with a promptness and dispatch that will astound ou.** The entire Allied organization is animated by a desire to render **super-service** to our dealers.

THE ALLIED ORGANIZATION

llied executives, BACKED BY YEARS OF TRAINING AND EXPERIENCE radio, are men who pioneered in bringing to the radio dealers of the country OWER PRICES AND BETTER VALUES. Their knowledge of radio—their bility to GAUGE THE PUBLIC PULSE has enabled them to SELECT THE IOST POPULAR RADIO ITEMS of the season and offer them to you at these REMARKABLE savings.

DEALER COOPERATION

The live dealer will welcome the MANY FORMS OF COOPERATION WE OFFER in PROMOTING THE SALE OF RADIO EQUIPMENT. Our Sales Promotion Department is AT THE DISPOSAL OF OUR DEALERS to assist them in the sale of KNIGHT RECEIVERS. The various types of COOPERATIVE MATERIAL AVAILABLE to our dealers will be found listed on another page.

SEND NO MONEY

BUY NOW~and Save!

LIVE dealers are QUICK TO REALIZE that the SALE OF COMPLETE RECEIVERS is the LIFE BLOOD OF THEIR BUSINESS. The famous KNIGHT AC ALL-ELECTRIC and BATTERY OPERATED receivers as offered THROUGHOUT THE PAGES OF THIS CATALOG are, without question, one of the OUTSTANDING RECEIVER VALUES OF THE SEASON. Their remarkable EFFICIENCY AND UNUSUAL PERFORMANCE is winning for them an EVER INCREASING POPULARITY throughout the country. The product of ADVANCED ENGINEERING, they INCORPORATE FEATURES that you will find ONLY IN RECEIVERS SELLING FOR MANY TIMES THE LOW PRICES WE QUOTE. You will marvel at THEIR OVERWHELMING TONE QUALITY, THEIR UNUSUAL SELECTIVITY and THEIR EXTREME DISTANCE RANGE. The apparatus used in them is the finest that money can buy. They stand forth as a CROWNING ACHIEVEMENT of MODERN RADIO ENGINEERING. The low price at which they are offered is no criterion of their quality. Improved manufacturing facilities, volume production and skilled labor in assembly makes POSSIBLE THESE UNUSUAL LOW PRICES. Dealers who are not familiar with KNIGHT QUALITY are urged to order one set for use as a demonstrator.

Quick Service~Immediate Shipment

Allied dealers and agents throughout the country not only **expect immediate shipping service** on their orders—**they depend on it.** Their confidence has been earned through previous experience. Prospective dealers are **urged to visit our plant**—a trip up and down the long isles in our stock rooms will give you a **better conception of the enormity of our stock**—convince you that our **vast preparations to render super service is an actual reality.** You too, will then **depend on Allied shipping service.** Our location, just outside of Chicago's busy loop district, is convenient to all railway terminals and express offices, boat lines, in fact, every form of transportation. For the convenience of visiting dealers, we **maintain a large display room where you are assured of courteous treatment** and congenial surroundings for **inspecting our line of receivers and radio apparatus at your leisure.**

CONFIDENTIAL NET PRICES

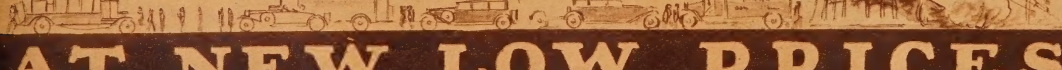
THE PRICES QUOTED IN THIS CATALOG ARE NET. They are your CONFIDENTIAL DEALERS' PRICES and are printed in the catalog to enable you to determine at a glance JUST WHAT EACH ARTICLE WILL COST. This eliminates the necessity of your figuring discounts and simplifies ordering. All discounts have been deducted from the net prices quoted and no further discounts can be allowed.

ALLIED TERMS

All quotations are f.o.b. Chicago or factory. Our terms are cash with order, or C.O.D., as you choose. We sell to thousands of well rated firms on this basis, saving them thousands of dollars. Most of our customers send cash with order to AVOID EXTRA COLLECTION COSTS. Orders from distant points on heavy merchandise SHOULD ALWAYS BE ACCOMPANIED BY A REASONABLE DEPOSIT.

We Pay the Freight!
on all orders of $50.00 or more!

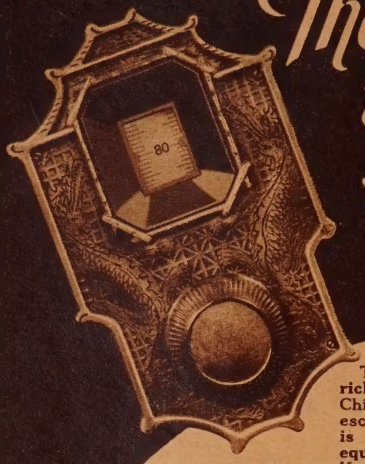
By making your order for $50.00 OR MORE, we make a freight allowance. THIS OFFER MAKES OUR LOW PRICES EVEN LOWER. It brushes aside all obstacles in the way of INCREASED PROFITS and PLACES THE GOODS ON YOUR FLOOR AT ASTOUNDINGLY LOW PRICES. If your order goes forward by express or Parcel Post, we will allow you the freight equivalent. Send us your paid freight bill with the order number you find on the shipping label and REFUND COVERING THIS AMOUNT WILL BE PROMPTLY FORWARDED. This offer includes all items shown in this large catalog with the EXCEPTION OF "A" AND "B" BATTERIES, CONSOLES OR RADIO FURNITURE, AERIAL WIRE AND INSULATORS WHEN ORDERED ALONE. Full freight will be allowed to all states except New Mexico, Colorado, Wyoming, Montana, Arizona, Utah, Idaho, Oregon, California, Florida, Washington, Maryland and all New England states.



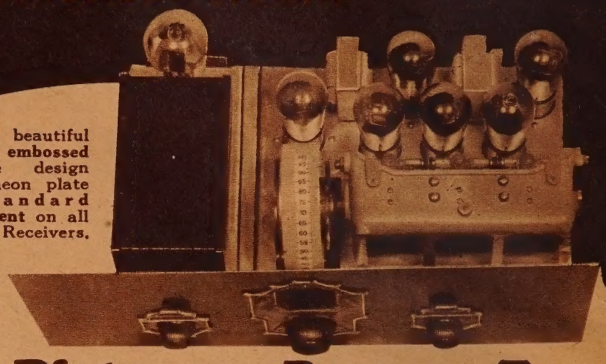
AT NEW LOW PRICES THAT DEFY COMPETITION

The Knight A-C 6-7

The Peer of AC Electric Shielded Chassis



This beautiful richly embossed Chinese design escutcheon plate is standard equipment on all Knight Receivers.



REAL A-C SENSITIVE AND SUPER SELECTIVE

6-7 Tubes For Distance—Power—Tone

HERE is real radio efficiency—the product of some of the country's foremost engineers. It is not a mere assembly of radio parts. It is a carefully balanced synchronized construction, in which the utmost care has been exercised to assure maximum radio efficiency, It features a solid sub-chassis of substantial steel cadmium plated skyscraper construction, with double spring tube sockets. A three-gang cast frame bathtub type condenser with ample size automatic take-up bearings, and finely tested and sealed compensators. Carefully designed space wound coils on genuine Bakelite forms. Of Low Loss design, yet providing the highest radio frequency gain obtainable. Shielded construction with metal panel, finished in a soft velvet green color.

REVOLUTIONARY DESIGN

Nothing has been overlooked in the construction and design of the Knight Circuit to make it the peer of the season's A-C Receivers. Perfect balancing results in peak efficiency over the entire broadcast wave bands. Solid metal construction assures a minimum of servicing.

ASTOUNDING PERFORMANCE

Perfect engineering, coupled with the careful matching of all parts, imparts to the Knight Circuit unusual efficiency. The ease with which it brings in distant stations —the remarkable tone and volume will astound you. You will marvel at its ease in handling—the way station after station will come in, as you rotate the drum dial.

SINGLE CONTROL

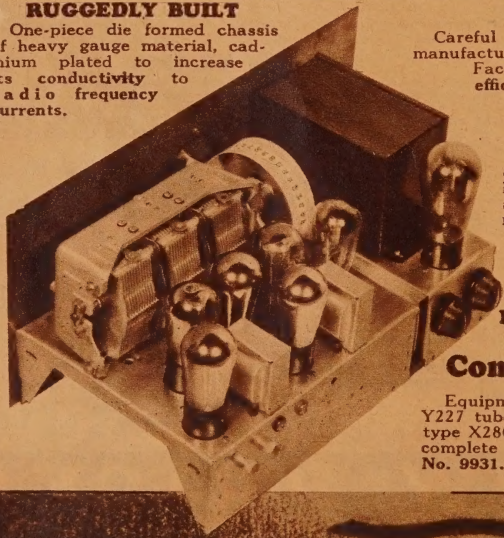
Only one tuning control. A small knob to the left of the tuning control switches the set on or off. At the right is the volume control knob.

THE KNIGHT 6/7 A-C CIRCUIT

The Knight Circuit employs a total of seven tubes, so designed that each tube operates at maximum efficiency. Requires: 4 type X226, 1 type Y227, 1 type X171, 1 type X280 rectifier tube for operation. Three stages of radio frequency assure extreme distance range. Two stages audio amplification provide wonderful tone quality and volume. Ample size power plant assures freedom from breakdowns and provides a reserve power far in excess of normal requirements. The utmost in radio efficiency. Operates on 105-120 volts, 50-60 cycle A-C current.

RUGGEDLY BUILT

One-piece die formed chassis of heavy gauge material, cadmium plated to increase its conductivity to radio frequency currents.



PEAKED EFFICIENCY

Careful testing, coupled with many rigid inspections during manufacture, assures uniformity in output of Knight Receivers. Factory adjusted and sealed compensators couples peak efficiency with fool-proof construction.

ELECTRIC OPERATION

Here is real A-C Operation as you have always wanted it. No batteries, no charging. The Knight Power Plant is built-in as an integral part of the sub-chassis, and requires only to be plugged into the electric light main for its power. Shipping weight, 45 lbs.

No. 9851. Regular $75.00 Retail Value. NET TO YOU ONLY . . $32.95

Complete With Accessories

Equipment includes 4 type X226 A-C tubes, one type Y227 tube, 1 type X171A tube, and one type X280 rectifier tube, along with complete aerial kit.

No. 9931. Retail, $95.00. YOUR PRICE.... $45.95

ALL ELECTRIC

SYMPHONIC 6-7
The Knight A C

RADIOS GREATEST VALUE

THE YEAR'S ELECTRIC RADIO SENSATION

HERE the famous **Knight 6/7 A-C chassis** is offered, housed in a substantial **all-metal cabinet** that is in strict keeping with the **modern trend** of table model cabinet design. Available in different colors to **harmonize** with the furnishing of any room. The beautiful **illuminated drum dial,** coupled with the attractive **Chinese design** escutcheon plates, imparts to the **Symphonic Receiver** a rich and beautiful appearance that will meet the **instant approval** of your trade.

CIRCUIT EMPLOYS SEVEN TUBES

The Knight Circuit as listed on Page 6 employs a total of seven tubes as follows: 4 type X226, 1 type Y227, 1 type X171 and 1 type X280 rectifier. Perfect circuit engineering assures **maximum efficiency** from each tube, imparting to the receiver **unusual sensitiveness** and power.

TONE QUALITY

Power tube equipment in **Symphonic 6/7 results in a marvelous tone quality.** Ample transformer design assures **low note reception,** without a falling off in the higher scale; resulting in a **naturalness** in reproduction that will astound you.

METAL CONSTRUCTION

Metal construction imparts to the Knight chassis **substantialness** and **ruggedness** that assures years and years of service. Its efficient **yet fool-proof** design reduces servicing to a minimum.

PRICED BELOW THE MARKET

Never before have you been able to buy such **tremendous radio value** at so low a price. **The unusual popularity** of Knight Receivers, resulting in **tremendous sales volume** has brought about manufacturing economies that make this low **price possible.**

A-C OPERATION

Just plug the Symphonic into the **electric light socket,** and it is **ready to operate.** No muss or fuss with cumbersome batteries, and eliminators. Operates on 105 to 120-volt 50-60 cycle A-C current.

SINGLE DRUM CONTROL

Illuminated drum dial. Smooth operating — no backlash. The beautiful **drum dial** has a turn ratio of **3 to 1,** permitting extra **fine tuning** with little effort.

Handsome All-Metal Cabinets

Symphonic Receivers are available in a **beautiful** brown bronze finish, a **Chinese red,** or a Chinese **green. They add a brightness and cheer to any setting.** Cabinet measures 19½ in. long, 14½ in. deep, and 9¾ in. high. Their rugged construction and ample design makes them good for years of service.

Speaker Tables to Match Will Be Found on Page 137

With All Accessories

Includes: 4 type X226 A-C tubes, 1 type Y227 five prong detector, 1 type X171 power tube, 1 type X180 rectifier tube, along with aerial kit. Shipping weight, 60 lbs.

No. 9802—Brown Bronze.
No. 9804—Chinese Red.
No. 9806—Chinese Green

List Value $110.00. YOUR PRICE

$50.95

Set As Illustrated

Here you are offered the famous **Symphonic 6/7 A-C Circuit,** in an all-metal cabinet at a price **far below** actual value. Shpg. wt., each, 55 lbs.

No. 9801—Brown Bronze.
No. 9803—Chinese Red.
No. 9805—Chinese Green

List Value $92.50 YOUR PRICE

$37.95

CHASSIS ONLY

$32.95

PERFORMANCE THAT WILL ASTOUND YOU!

The Carman Knight A·C· ELECTRIC 6 7

A RECEIVER FOR THOSE WHO WANT THE BEST

IN the Carman Knight 6/7 A.-C. Electric Receiver you are offered the utmost in radio convenience. Just plug it into the electric light socket, and it is ready to operate. It gives you radio at the turn of a switch—no bothersome batteries or eliminators to get out of order. The Carman Receiver once installed, is always ready for your call. It is as dependable as your electric light current.

MARVELOUS TONE QUALITY

You will marvel at the wonderful tone quality of the Carman Receiver. It is soft and mellow, yet offering ample volume for all normal requirements. The Allied engineers, in designing the Carman Receiver, placed tone quality as the foremost requisite of the perfect receiver, and to this end they have so constructed the Knight circuit that it produces a tone quality comparable in every way to sets selling for much more money than the low price we quote.

A WINNING COMBINATION

The Carman Receiver features one of the season's most beautiful consoles. The beautiful front doors are of the attractively grained diamond butt matched walnut with an overlay edging or band around the outside of grained wood, with the grain running on a bias to the door panels proper. The apron of the console is of the popular cut-out type and is embellished with attractively carved molding which goes all the way around the sides of the cabinet. This beautiful console, along with the Knight 6/7 A.-C. Receiver, and its remarkable speaker equipment provides a combination that will quickly win its way into the hearts of the most critical radio buyers.

PRACTICAL A. C. OPERATION

Many radio enthusiasts throughout the country have neglected the purchase of a new receiver awaiting the day of perfected A.-C. operation. They need wait no longer. In the Knight 6/7 A.-C. Receiver you are offered the utmost in practical A.-C. operation, requiring only to be plugged into the electric light socket for all its power. Its large size power pack is built in as an integral part of the sub-chassis and is so designed that it supplies full recommended voltages to all the tubes assuring peak operating efficiency.

AMPLE RESERVE POWER

Perfect design, coupled with advanced engineering principles, imparts to the Knight circuit unusual selectivity. It is adaptable for use in the most congested broadcasting districts. The remarkable sensitivity and unusual selectivity of this circuit assures wonderful distance range and freedom from interference. The perfect matching of all parts used in the production of the receiver, coupled with its many rigid tests and inspections during the manufacture, imparts unusual efficiency to the circuit.

The Famous Knight 6/7 Circuit

In the Knight 6/7 A.-C. circuit you find incorporated the most advanced features in radio construction that modern engineering has produced. The circuit employs three stages of tuned radio frequency, assuring remarkable distance range. The detector circuit is of the tuned type while the audio end consists of two stages of transformer coupled audio employing a power tube in the last or output stage. The remarkable design of the audio circuit assures the utmost in tone quality and volume.

A GEORGEOUS CONSOLE OF DIAMOND MATCHED WALNUT

THE Carman console is of unusual design and striking beauty. The beautiful panel doors—the attractive rope style turned legs and ornamental stretcher, all combine into one graceful and dignified cabinet that will find a ready place in the homes of the most critical furniture buyers. The front doors are of genuine matched walnut with over-lays of striped mahogany creating a two-tone effect. Its beautiful finish is hand rubbed to that soft dull sheen that is found on only the highest priced furniture. All the beauty of the grain of the selected walnut is retained in this remarkable finish. The attractively designed grill which covers the speaker compartment is backed with yellow silk of a harmonious color shade.

SET WITH FARRAND MAGNETIC CONE SPEAKER

Here the Carman Receiver is offered complete with the famous Knight 6/7 circuit and the genuine Farrand Magnetic type Cone Speaker. Complete description of the 6/7 circuit will be found on page four. Accessories are not included.

No. 9975.
Retail value $175.00.
YOUR PRICE..... $83.70

WITH DYNAMIC SPEAKER

Here the Carman Receiver is offered equipped with a Genuine Farrand Dynamic Speaker. This remarkable speaker equipment along with the Knight 6/7 circuit provides the ideal combination for utmost in tone quality.

No. 9976.
Retail value $195.50.
YOUR PRICE..... $96.70

WITH CONE SPEAKER AND ALL ACCESSORIES

Offered complete, ready to operate: Equipment includes four type X226 A-C tubes; one type Y227 five prong detector tube, one type X171-A tube, one type X280 rectifier tube, with all necessary aerial and ground equipment—Farrand Magnetic Type Cone.

No. 9977.
Retail value $195.50.
YOUR PRICE..... $96.70

DYNAMIC SPEAKER AND ALL ACCESSORIES

Here the Carman Receiver is offered complete with Dynamic Speaker and all necessary accessories for operation. Nothing has been overlooked. All necessary tubes, aerial and ground equipment are included. An exceptional value at the low price quoted.

No. 9778. Retail value $222.50.
YOUR PRICE..... $109.70

The Baronet 6/7 Knight AC ALL ELECTRIC

Your Price **85.30**

Today's Vogue in Radio!

THE modern vogue in radio has taken a definite trend toward the sliding door type of console as is so attractively exemplified in the Baronet Knight 6/7 A-C. You find two attractively diamond matched walnut grained doors that smoothly slide back and forth, exposing the receiver for operation. Along with the beautiful console, you are offered the famous Knight 6/7 all electric chassis requiring only to be plugged into the electric light socket for all its power.

SUPER SENSITIVE FOR POWER

In the famous Knight circuit, you find the finest radio parts CAREFULLY TESTED AND MATCHED and synchronized in a circuit that stands forth as a CROWNING ACHIEVEMENT of modern radio engineering. ITS UNUSUAL SELECTIVITY ASSURES THE ABSENCE OF EXTRANEOUS NOISES AND THE BOTHERSOME OVERLAPPING OF STATIONS. Its well designed audio system delivers A TONE QUALITY AND VOLUME that is comparable in every way to the HIGHEST PRICED REPRODUCING INSTRUMENTS.

THE AC KNIGHT 6/7 CIRCUIT

The famous Knight 6/7 circuit employs THREE STAGES of radio frequency, detector, and TWO STAGES OF AUDIO FREQUENCY amplification with power tube equipment. It incorporates REFINEMENTS IN CONSTRUCTION and features found only in sets selling for many times our low prices. See page 4 for a COMPLETE DESCRIPTION OF THIS REMARKABLE CHASSIS.

ULTRA MODERN IN DESIGN

The Baronet receiver comes to you equipped with the famous FARRAND MAGNETIC OR DYNAMIC TYPE POWER SPEAKERS. The unusual output quality of the Knight receiver is retained in all its OVERWHELMING BRILLIANCY in these speakers resulting in a rendition that makes an UNCANNY APPROACH TO REALITY. See complete description of the famous speaker chassis on page 88.

SLIDING DOOR CONSOLE

The beautiful Baronet console is in strict keeping with the modern trend for better radio furniture. Its sliding doors are of beautiful diamond matched butt walnut which stand out in subdued contrast to the beautiful matched selected burl walnut panels which make up the front of the console. Its turned and fluted legs are rigidly braced with an ornamental stretcher.

BEAUTIFUL MATCHED BURL WALNUT

The greatest care is exercised in the selection of the walnut panels used in its construction. Its exquisite finish is of durable high lighted, shaded and hand rubbed lacquer. The console stands 50 inches high, 27½ inches wide by 17 inches deep.

SET WITH CONE SPEAKER

The Baronet Knight 6/7 all electric receiver equipped with a GENUINE FARRAND MAGNETIC TYPE CONE SPEAKER, as fully described on page 88. See description of the famous Knight 6/7 circuit on page 4.

No. 9968. Shipping weight, 145 pounds. List price, $190.00. YOUR PRICE.... **$85.30**

SET WITH DYNAMIC SPEAKER

Equipped with a genuine Dynamic Power Cone Speaker and Knight 6/7 AC circuit, the Baronet offers the IDEAL COMBINATION for TONE QUALITY AND VOLUME. Shipping weight, 155 pounds.

No. 9970. List price, $225.00. YOUR PRICE **$98.30**

WITH ALL ACCESSORIES READY TO OPERATE

Same as above WITH ALL ACCESSORIES —NOTHING HAS BEEN OVERLOOKED. Includes 4 type X226 AC, 1 type Y227 five-prong detector, 1 type X171-A power and 1 type X280 rectifier tube and aerial and ground equipment.

No. 9969. Shipping wt., 150 lbs. Retail list, $200.00. YOUR PRICE.... **$98.30**

WITH DYNAMIC SPEAKER AND ACCESSORIES

Same as above, but with ALL ACCESSORIES —READY TO SET UP AND OPERATE. Includes 4 type X226 AC, 1 type Y227 detector, 1 type X171-A power and 1 X280 rectifier tube and AERIAL AND GROUND EQUIPMENT. Shipping weight, 155 pounds.

No. 9971. Retail price $240.00. YOUR PRICE..... **$111.30**

ULTRA MODERN · POWERFUL · SELECTIVE

The MONTROSE A-C ALL ELECTRIC Knight 6-7

HERE we present a **rare combination** of unusual features in a console receiver. The beautiful **velvety green** panel **embellished** with antique bronzed **Chinese design** escutcheon plates is in perfect balance with the beautiful silk-backed grill, which accommodates a **genuine Farrand** Magnetic Cone Speaker. It **features real A-C humless operation**, and offers you **unusual perfection** in radio.

TONE QUALITY

The use of **power tube equipment** in the Knight 6/7 Circuit provides **remarkable volume** and quality, without distortion or hum of any kind. You will marvel at its **richness** and **timbre**; at the **remarkable fidelity** with which it reproduces both music and voice.

BEAUTIFUL CONSOLE

Console stands 41 in. high, 25 in. wide, and 14½ in. deep. Attractive two-tone lacquer finish, rubbed to a soft dull gleam, giving the wood an exquisite texture, and retaining all the natural beauty of the grain of the wood. Rigidly constructed and good for a lifetime of service.

Illuminated Drum—1 Dial

Beautiful illuminated drum dial provides perfect control. As the drum is rotated, **station after station** will come in with **overwhelming** tone quality and volume. You will find **real pleasure** in tuning the Montrose Receiver.

DISTANCE and VOLUME

The perfect balancing and matching of parts in the construction of the Knight Circuit results in a distance range that will astound you. Far away stations come in like locals. Power tube equipment imparts a tone quality and volume far in excess of normal requirements. Unusual sensitivity assures remarkable distance range, while the built-in Farrand Magnetic Cone Speaker reproduces both music and voice with fidelity. You will marvel at its efficiency and its ease of tuning.

Shielding—Illuminated Drum—Powerful—Selective

THE FAMOUS KNIGHT ELECTRIC CIRCUIT

IN Knight 6/7 Receivers a total of **seven tubes** are employed. Three stages of radio **frequency**, detector and **two stages** of audio frequency. The power plant is of **ample design**, providing a wide **safety factor**, and employs one type X280 rectifier tube. It is equipped with a **high-low switch**, adapting it to fluctuations in the A-C line voltage. Only the **finest parts** are used in the construction of the Knight Chassis. Careful testing during manufacture, and **perfect balancing** on completion assures you of the **utmost quality**. Description of Chassis **will be found on Page 6.** Operates on 105 to 120 volt, 50-60 cycle, A-C current.

SET ONLY

The Montrose A-C Knight 6/7 Tube Receiver as described and illustrated, with **genuine Farrand** Magnetic Cone Speaker built-in. Tubes and aerial equipment for its operation can be **selected** from the **large variety** shown in this catalog. Shipping weight, 135 lbs.

No. 9817. List price, $135

YOUR PRICE.....

$56.50

COMPLETE WITH ACCESSORIES

Here you are offered the **Montrose A-C Knight 6/7 Receiver**, complete with all **necessary accessories.** Equipment includes **Farrand Magnetic Cone Speaker**, 4 type X226 A-C Tubes, one type Y227 Detector Tube, one type X171A Power Tube, and one type X280 Rectifier Tube; along with **all necessary** aerial and ground equipment. Shipping weight, 145 lbs. **No. 9818. List value, $125.00** YOUR PRICE.....

$69.50

FARRAND SPEAKER

This famous Farrand Magnetic Cone Speaker is built-in as **standard equipment** in the Montrose Receiver. It is **recognized as the ultimate** in Magnetic Cone Speaker construction. Proof of its **wonderful performance** is found in a perfect rendition of the **crescendo**, of the **symphony** and refined shading of the overtones of the violin, and bass viol.

WONDERFUL TONE — AMPLE VOLUME

The Farrand Magnetic Cone Speaker is designed to carry **unlimited volume and to reproduce faithfully** all of the various tones in the musical scale. They are equipped with a **new type** driving **unit**, that assures faithfulness in reproduction. Comparative tests will quickly **convince** you of the **Farrand superiority.**

THE SOVEREIGN A-C Electric Knight 6-7

BEAUTY IN RADIO

IN the Sovereign Knight 6/7 A-C Receiver, real beauty is combined with the utmost in radio efficiency. The console cabinet is made up of genuine black walnut, and fine American gum wood. The front door panels are in butt walnut, embellished with Antique brass hardware. A genuine Farrand Magnetic Cone Speaker is built-in as standard equipment.

ELECTRIC OPERATION

Just plug it into an electric light socket, and it is ready to operate. Messy batteries and eliminators are done away with. It employs the new A-C tubes. Operates direct from the light socket. For 105 to 120 volt 50-60 cycle A-C current.

FARRAND SPEAKER

The rare beauty of the Sovereign Console, coupled with the remarkable efficiency of the Knight chassis, has prompted us to include one of the season's finest cone speakers as standard equipment. The wonderful reputation of Farrand in speaker design, and manufacture finds its culmination in the wonderul magnetic cone speaker, with which the Sovereign is equipped. Its splendid tone quality, and instant response to the faintest impulse, coupled with its wide range, from the lowest to the highest notes in the scale, stamps it as one of the season's finest speakers.

CONSOLE DE-LUXE

To really appreciate the rare beauty of the Sovereign Console, you must see it. The perfect matching of the walnut butt doors and front panel, coupled with its graceful design and rigid construction, imparts to the Sovereign Console a richness in appearance that will make an instant appeal to your better trade. Stands 50 in. high, 27½ in. wide and 17 in. deep. Beautiful high-lighted shaded and rubbed lacquer finish.

FOR THE FINEST HOMES

The unusual beauty of the Sovereign Knight 6/7 A-C, will instantly win for it a place in the finest homes. Its graceful design and proportions, is the work of artists. It stands forth as a real gem of the cabinet makers art.

KNIGHT 6/7 CIRCUIT

The famous Knight 6/7 Circuit employs three stages of radio frequency, detector, and two stages of audio frequency amplification, with power tube equipment. It incorporates refinements in construction and features that you expect to find in sets selling for many times the price quoted. A complete description of this wonderful chassis will be found on page 6.

ILLUMINATED DRUM CONTROL

Efficient shielding in Knight 6/7 chassis imparts to the receiver unusual selectivity and sensitivity. Its one dial illuminated drum control, with its beautiful Chinese design escutcheon plates makes tuning a real pleasure. Perfect balancing assures utmost efficiency. The finest parts, coupled with perfect workmanship, assures years of satisfactory service.

SET COMPLETE

Everything necessary for operating is included: Knight 6/7 chassis, Farrand Magnetic Cone Speaker, and 4 type X-226, 1 type Y-227, 1 type X-171 power tube and 1 type X-280 rectifier tube, along with all necessary aerial and ground equipment. Shipping weight, 155 lbs.

No. 9814. List value, $230.00.

YOUR PRICE

$96.30

No. 9859. Same as above but with Farrand Dynamic Speaker.
Retail list, $260.00.
YOUR PRICE..... **$109.30**

SET AS ILLUSTRATED

Here you are offered the famous Sovereign Knight 6/7 A-C Receiver, complete with genuine Farrand Magnetic Cone Speaker built-in. Accessories for its operation may be selected from the pages of this catalog. Shipping weight, 147 lbs.

No. 9813. List price $200.00.

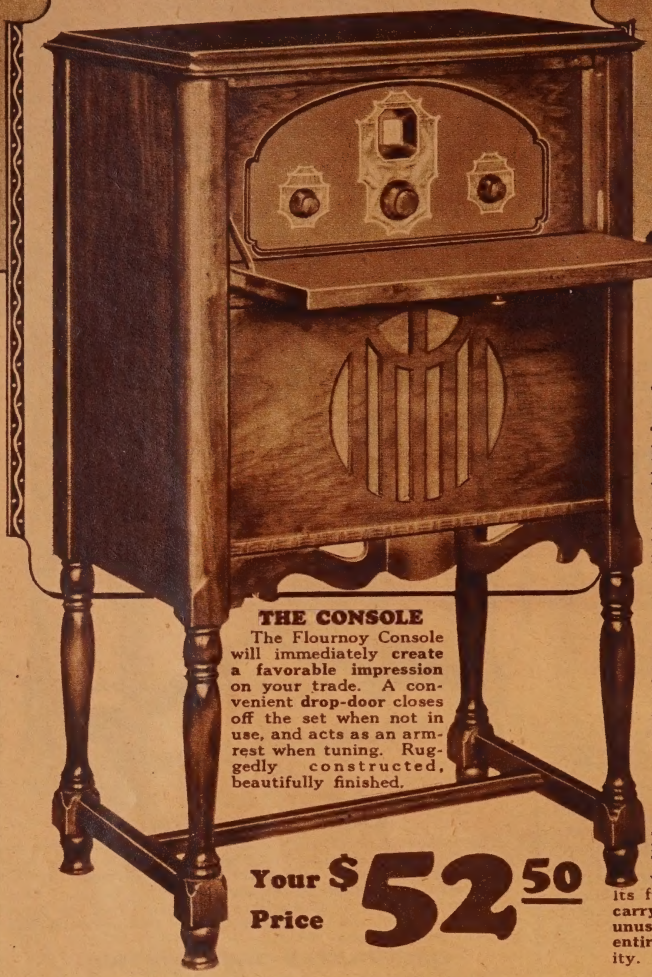
YOUR PRICE

$83.30

No. 9858. Same as above except equipped with genuine Farrand Dynamic Speaker. Weight, 157 lbs.
Retail list, $230.00.
YOUR PRICE..... **$96.30**

MAKE THE SOVEREIGN YOUR FEATURE RECEIVER FOR 1929

The Knight



THE CONSOLE
The Flournoy Console will immediately create a favorable impression on your trade. A convenient drop-door closes off the set when not in use, and acts as an armrest when tuning. Ruggedly constructed, beautifully finished.

Your Price $52.50

THE SET YOU HAVE BEEN WAITING FOR

IN the Flournoy Model, you are offered the famous Knight 6/7 Circuit in one of radio's most beautiful consoles. It answers the popular demand for a high grade console type receiver at a moderate price. A full detailed description of this remarkable circuit will be found on page 6. Study it carefully, you will find it to be one of radio's greatest values.

A. C. OPERATION

Plug the Flournoy Model into the electric light socket, and it is ready to go. It offers you real A-C convenience without messy batteries or eliminators. In Knight Receivers, A-C operation has been accomplished without a trace of hum. Operates on 105 to 120-volt, 50-60 cycle A-C current.

TONE QUALITY

A genuine Farrand Magnetic Power Cone Speaker is built-in as standard equipment in the Flournoy Knight 6/7 A-C Receiver. The wonderful tone quality and volume of which this famous receiver is capable, finds its full expression in the wide tonal range and carrying power of the Farrand Cone. It combines unusual sensitivity with flexibility, covering the entire audible scale range with remarkable fidelity. It offers you the utmost in tone quality.

FOR POWER, TONE AND SELECTIVITY

Nowhere else, at anywhere near this price can you buy such quality, such radio efficiency as you are offered in the Knight Flournoy. It combines real A-C operation—one dial control—shielded construction—unusual tone quality; in fact, everything you expect to find in the highest priced receivers. The beautiful console will win for itself a place in the most finely furnished home. Its attractive silk-backed grill is well proportioned, and forms an ideal support for the Farrand Speaker. You will do well to make the Flournoy one of your feature receivers for the season.

A BEAUTIFUL CONSOLE

The Flournoy Console stands 37 in. high, top measures 22x15 in. Its design is the work of artists. The smallest constructional details have been carefully worked out. Modern manufacturing methods imparts to it a ruggedness and rigidity that will prove a revelation to the purchaser. The substantial turned legs are securely braced with an attractive stretcher. The top of the console tilts up, permitting access to the receiver. Beautifully finished and high lighted.

FARRAND SPEAKER

Nationally advertised Farrand Magnetic Cone Speakers are standard equipment in Knight Receivers. This assures you of the utmost in tone quality. Farrand Speakers cost more, and are of the better speakers; yet we feel that the best is none too good to handle the output of the famous Knight 6/7 Circuit.

RUGGED CHASSIS

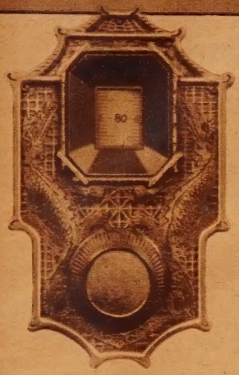
You can not appreciate the rugged construction of the Knight chassis without seeing it. Die formed in one piece of sixteen gauge cadmium plated material. Provides a shielding and housing for the wiring that assures foolproof construction. When you sell Knight Receivers, they stay sold. Servicing has been reduced to a minimum.

6/7 TUBE CIRCUIT

The Knight Circuit employing three stages of radio frequency, detector, and two stages of audio frequency, stands forth as a marvel of engineering skill in A-C set construction. The power plant is built-in as a regular part of the chassis. It is of excellent design, ample size, and provides a safety factor far in excess of normal requirements. In the Knight Circuit A-C, Operation has been accomplished without a trace of hum. You will marvel at its perfection.

The Millionaire's Value at a Popular Price

Flournoy 6-7 AC ELECTRIC



REAL BEAUTY IN DESIGN

IN the Flournoy Console only the **finest** combination **Walnut Plywood** is used; and this coupled with the **modern** cabinet manufacturing methods employed in its construction, has produced a **rare piece** of furniture. For **durability** in construction and **beauty** of finish, it is in a class by itself. Finished in an **attractive two-tone,** preserving the **natural grain** and beauty of the wood. It answers the **popular demand** for simple, yet dignified radio furniture. Stands 36½ in. high, measures 22 in wide by 15¼ in deep.

TONE QUALITY SUPREME

In the design of the **Knight 6/7 Circuit,** tone quality was kept foremost. Ample size **audio transformers,** and the use of a **power tube** in the output stage assures the **utmost** in tone quality. This quality output of the receiver, **is further enhanced** by use of a genuine **Farrand Power Cone Speakers.** These speakers have earned an **enviable reputation** to carry unlimited volume, and to **reproduce faithfully** all of the various tones in the musical scale, catching every delicate shading, from the **lowest** to the **highest** notes audible to the human ear. They are equipped with the **new type driving unit,** that assures faithfulness in reproduction.

CHINESE DESIGN

Above is reproduced the beautiful **Chinese design** escutcheon plate that is **standard equipment** on all Knight Receivers. Attractive antique bronze, **beautifully etched** and embossed.

THE KNIGHT 6/7 CIRCUIT

Designed for **A-C Operation** drawing its power **direct** from the **light mains.** The circuit employs **one stage** of untuned radio frequency amplification, **two stages** tuned RF, one radio frequency **tuned detector** stage, one stage of **bass reproducing** audio frequency amplification, and one stage of **power** amplification. **For operation on 105 to 120 volt, 50-60 cycle A-C current.**

ONE DIAL

One dial control **simplifies** tuning, and adds to the **flexibility** of the receiver. Being illuminated behind the drum, the **callibrated numerals** are **plainly visible** in the dark, as well as in the light.

REAL QUALITY THROUGHOUT

The **single control illuminated drum dial** has a die cast aluminum frame. It is equipped with a special stop feature **preventing back lash,** slipping of drum on condenser shaft, or abuse when turned to either end of the scale. Provides a **three to one** ratio, permitting **unusually fine tuning.** Only three knobs are on the front panel. One **"on and off"** switch, one **volume control,** while the center knob acts as station selector.

SET ONLY AS ILLUSTRATED

Here you are offered the famous **Flournoy Knight 6/7 A-C All-Electric** Receiver, equipped with **genuine** Farrand Magnetic Power Cone Speaker. Order a sample set today for use as demonstrator. It will result in many **profitable** sales for you. Shipping weight, 150 lbs.

No. 9819. List price, $130.00.
YOUR PRICE..... **$52.50**

COMPLETE WITH ACCESSORIES

The Flournoy is complete with **all necessary accessories** for its operation. Equipment includes: 4 type X226 A-C tubes, 1 type X171 power tube, 1 type Y227 detector tube, 1 type X280 rectifier tube, along with **all necessary** aerial and ground equipment. **A real value,** Shipping weight, 155 lbs.

No. 9820. List value, $140.00.
YOUR PRICE..... **$65.50**

SET ONLY WITH FARRAND DYNAMIC

Equipped with a genuine Farrand Dynamic Cone Speaker, the Flournoy offers you the ideal combination for real tone quality and tremendous volume. Complete description of speaker will be found on page 88. Shipping weight, 163 lbs.

No. 9941. Retail list, $160.00.
YOUR PRICE..... **$65.50**

WITH DYNAMIC SPEAKER AND ACCESSORIES

Here the Flournoy is offered equipped with Farrand Dynamic Speaker and following accessories: 4 type X226 A-C tubes, 1 type Y227 detector tube, 1 type X171A power tube, 1 type X180 rectifier tube, and complete aerial kit. Shipping weight, 165 lbs.

No. 9942. Retail list, $165.00.
YOUR PRICE..... **$78.50**

Here the Flournoy Console is shown in its closed view. Notice its graceful proportions, and the beautiful overlays on the doors.

Up-to-the-Minute Design

The SHERIDAN Knight 6 7 A·C

Electric Radio

HERE you are presented the UTMOST IN RADIO EFFICIENCY along with CONSOLE BEAUTY AND STRIKING DESIGN. It features REAL AC OPERATION requiring only to be plugged into the ELECTRIC LIGHT SOCKET FOR ALL ITS POWER. Employing the new AC TUBES WHOSE FILAMENTS ARE ACTUATED BY RAW ALTERNATING CURRENT, it offers you the UTMOST in radio efficiency. The beautiful finish of the console with its BURL WALNUT PANELS and ATTRACTIVE OVERLAYS adapts it for use in any setting.

Wonderful Tone and Volume

The MOST IMPORTANT FEATURE looked for in radio today is TONE QUALITY AND VOLUME. What good is a distant station IF THE MUSIC IS DISTORTED and hardly audible? In the famous KNIGHT 6/7 CIRCUIT, great care has been exercised. TO ASSURE THE UTMOST in tone quality. Its audio system consisting of TWO STAGES OF TRANSFORMER COUPLED AUDIO AMPLIFICATION is in keeping with MODERN ENGINEERING PRACTICES and with the employment of the power tube, ASSURES AMPLE VOLUME FOR ALL OCCASIONS. Its exquisite tone quality and volume are yours on the DISTANT STATIONS just as on the locals. The extreme SENSITIVENESS OF THE KNIGHT 6/7 CIRCUIT enables you to cut right through the locals and BRING IN THE DISTANT STATIONS with surprising ease.

The Console Beautiful

This beautiful console WILL PROVE THE INSTANT DELIGHT OF ALL WHO SEE IT. Its attractively designed SPANISH TYPE TURNED LEGS and ORNAMENTAL stretcher impart unusual rigidity. The apron is of a FANCY CUT-OUT TYPE embellished with a light colored over-lay that PRODUCES AN EXQUISITE TWO-TONE EFFECT. The front doors and inside panels are of SELECT BURL WALNUT while its beautiful finish retains all the NATURAL BEAUTY of the grain of this select wood. The console stands 46½ in. high by 26 in. wide by 46½ in. deep.

The 6/7 A. C. Circuit

The Knight 6/7 circuit employs ONE STAGE OF UNTUNED RADIO FREQUENCY AMPLIFICATION, two stages TUNED RF, one radio frequency TUNED DETECTOR STAGE, one stage of BASS REPRODUCING AUDIO FREQUENCY AMPLIFICATION and one stage of POWER AMPLIFICATION. Designed for operation on 105 TO 120-VOLT, 50-60 CYLCLE A.C. CURRENT.

Easy to Operate

The perfect matching of all parts used in the KNIGHT CIRCUIT makes possible its PRACTICAL ONE-DIAL CONTROL that is FREE FROM ALL CRITICAL ADJUSTMENTS. The vernier drum dial permits UNUSUALLY FINE TUNING, while the volume control provides a POSITIVE ADJUSTMENT on volume from a whisper to the FULL ROUND VOLUME OF THE RECEIVER OPERATING AT FULL CAPACITY. Equipped with a genuine Farrand Magnetic or Dynamic type of speaker, it offers you the UTMOST IN TONE QUALITY AND VOLUME at a price far below its actual value.

POWERFUL—SELECTIVE—SUPER SENSITIVE

SET WITH FARRAND CONE SPEAKER

Here you are offered this remarkable **Knight 6/7 A-C** all electric receiver equipped with a genuine **Farrand Magnetic type Cone Speaker.** Order a sample set today for use as a demonstrator. It will result in many profitable sales for you. Shipping weight 150 pounds.

No. 9960. List value $150.00.
YOUR PRICE **$67.70**

COMPLETE—READY TO OPERATE

Same as above, except with all necessary accessories for operation. Equipment includes four type X226 A-C tubes, one type Y227 detector tube, one type X171-A power tube, 1 type X280 rectifier tube along with all necessary aerial and ground equipment. A real value. Shipping weight 155 pounds.

No. 9961. List value $175.00.
YOUR PRICE **$80.70**

WITH DYNAMIC POWER SPEAKER

Equipped with a genuine Dynamic Power Cone Speaker for A-C operation, this receiver offers you the ideal combination for real tone quality and tremendous volume. Complete description of speaker will be found on Page No. 88. Shipping weight 163 pounds.

No. 9962. Retail list $180.00.
YOUR PRICE **$80.70**

COMPLETE—READY TO OPERATE

Includes Dynamic Power Speaker and all necessary accessories for operation. Equipment includes four type X226 A-C tubes, one type Y227 detector tube, one type X171-A power tube, one type X280 rectifier tube and complete aerial and ground equipment. Shipping weight 165 pounds.

No. 9963. Retail list, $195.00.
YOUR PRICE **$93.70**

The Claremont Knight

A·C· ALL ELECTRIC 6/7

ULTRA-MODERN RADIO

THE demand of the public for the finest in radio furniture has resulted in our offering the Claremont All-Electric Knight 6/7 receiver. It combines the famous A-C Knight circuit in one of the season's most strikingly beautiful console cabinets. Your better trade will be quick to appreciate the unusual beauty and striking appearance of the Claremont receiver. Its attractive, yet dignified design adapts it for use in any setting regardless of the period motif.

REAL A-C OPERATION

In the Claremont receiver, you realize a new perfection in A-C operation. The ample sized power plant of the Knight receiver is built-in as an integral part of the sub chassis and requires only to be plugged into the electric light socket for all its power. Many of your radio prospects have awaited the day of perfected A-C design before purchasing their receiver. It is now available to them.

THE KNIGHT 6/7 CIRCUIT

The Knight 6/7 circuit employs a TOTAL OF SEVEN TUBES in three stages of RADIO FREQUENCY, DETECTOR and TWO STAGES of transformer coupled audio amplification. Its ample sized power plant ASSURES FREEDOM FROM BREAK DOWNS AND PROVIDES A RESERVE POWER far in excess of normal requirements. The perfect matching of parts, sufficient shielding with condensers properly balanced for PEAK EFFICIENCY, it offers you selectivity, sensitivity, unusual power and a quality of tone that will delight you.

BETTER FURNITURE

The modern trend to better furniture in the home finds its answer in this beautiful radio console. Its unique design and beautiful finish can only be associated with the highest priced furniture.

Your Price $89.90

DISAPPEARING DOOR WALNUT CONSOLE

In the Claremont console, you find reflected the real art of the furniture designer. The smallest constructional details have been carefully worked out imparting a rigidity and substantialness that makes it good for years of service. Its beautiful hand rubbed lacquer finish will not mar or gum. The attractive front doors are of exquisite well figured swirled English Oak and are so arranged that they slide back into the sides of the cabinet, out of the way, when the set is in use. The attractive rope style twisted legs are in harmonious keeping with the beautiful carved mouldings which make up the apron of the console. Its carved moulding construction is more expensive than pressed moulding, but the result is far more exquisite. An attractive moulding with ornamental carvings along with genuine wrought brass hardware finishes the doors off in unusual style. The console stands 49 inches high, 30 inches wide and 16 inches deep.

SET WITH CONE SPEAKER

Here the Claremont Knight A-C 6/7 receiver is offered as illustrated without accessories. Equipped with GENUINE FARRAND MAGNETIC TYPE CONE SPEAKER AS DESCRIBED ON PAGE 88. A more complete description of the Knight 6/7 chassis will be found on page 4. No. 9964 Retail price $175.00. YOUR PRICE..... **$89.90**

COMPLETE WITH ACCESSORIES

Same as above except including ALL NECESSARY ACCESSORIES FOR OPERATION. Equipment includes four type X226 A. C. tubes, one type Y227 five prong detector tube, one type X171-A power tube, one type X280 rectifier tube along with ALL NECESSARY AERIAL AND GROUND EQUIPMENT. HIGHEST QUALITY THROUGHOUT. Shipping weight, 145 lbs. No. 9965. Retail List, $200.00. YOUR PRICE..... **$102.90**

WITH DYNAMIC POWER SPEAKER

Equipped with a GENUINE FARRAND POWER DYNAMIC CONE SPEAKER, the Claremont offers you the UTMOST in TONE QUALITY AND VOLUME CARRYING CAPACITY. A complete description of this famous speaker will be found on page 88. A more complete description of the Knight 6/7 chassis with which the Claremont is equipped will be found on page 4. ORDER A SAMPLE SET TODAY. Shipping weight, 140 lbs. No. 9966. Retail List, $200.00. YOUR PRICE **$102.90**

WITH DYNAMIC SPEAKER AND ACCESSORIES —READY TO OPERATE

Same as above except including ALL NECESSARY ACCESSORIES for operation. Equipment includes four type X226 A. C. tubes, one type Y227 detector tube, one type X171-A power tube, one type X280 rectifier tube along with ALL NECESSARY AERIAL AND GROUND EQUIPMENT. A REAL VALUE. Shipping weight, 150 lbs. No. 9967. Retail List, $230.00. YOUR PRICE **$115.90**

The PLYMOUTH HIGHBOY

Knight 6-7 ALL ELECTRIC

HERE is a Receiver that will win the instant approval of your trade. It is truly a gem of the cabinet maker's art. It is well worthy of housing the famous Knight 6/7 A-C All-Electric Circuit. Plymouth Highboy offers you a radio receiver that can be depended upon for many years of real radio pleasure. It is a fitting addition to the most finely appointed home.

FARRAND SPEAKERS

The famous Farrand Magnetic Power Cone Speaker is built-in as standard equipment in the Plymouth Highboy. This famous Speaker is in keeping with the wonderful tone quality of the circuit. With it, tonal reproduction makes its nearest approach to the natural. Its soft, mellow quality will prove a delight to all lovers of good music.

REAL DISTANCE RANGE

The super-sensitivity of the Knight Circuit imparts to it a distance range that will astound you. Perfect engineering, perfect balancing and matching of all parts assures utmost efficiency in Knight Receivers. Many rigid inspections during the process of assembly assures uniformity and perfect operating characteristics in each Knight Receiver turned out. On page six a more detailed description of this famous chassis will be found.

BEAUTIFUL CONSOLE

Too much can not be said of the remarkable beauty of the Plymouth Highboy Console. Only the finest woods are used in its construction—selected for their beautiful grain, and exquisitely matched in an exclusive design. It stands 48 in. high; top measures 24 in. x 15½ in. Its exclusive design and rich appearance commends it to all lovers of fine furniture.

FOR THE FINEST HOME

The Plymouth Highboy is worthy of a place in the finest home—while the performance of the Knight 6/7 A-C Circuit is in strict keeping with the beauty of its cabinet. Your trade will be quick to appreciate the unusual quality offered in the Plymouth Highboy Receiver.

Selective

The perfect matching of all parts used in the construction of the Knight Circuit assures unusual selectivity, permitting its use in the most congested broadcasting districts. The vernier drum dial permits unusually fine tuning.

Sensitive

The Plymouth Highboy is noted for its sensitivity. It will pick up the faintest radio impulses and build them up into loud speaker volume, reproducing them with marvelous tone quality and with total absence of distortion. Such sensitivity assures remarkable distance range, and provides consistent performance by the receiver.

POWERFUL

Knight A-C Receivers offer you a world of power. Drawing their current from the electric light socket, they provide consistent reception, eliminating the fluctuations caused by run-down batteries, etc., in old style receivers. Knight Super-Power is always available at the turn of a switch. For 105 to 120 volt 50-60 cycle A-C current.

Complete With Accessories

The famous Plymouth Highboy Knight 6/7 A-C All-Electric Receiver is here offered with all accessories necessary for its operation. Nothing has been overlooked. Equipment includes: 4 type X226 A-C Tubes, 1 type V227 5-prong detector tube, 1 type X171 power tube, 1 type X280 rectifier tube. Aerial and ground equipment, sufficient for the most difficult aerial installation is included. Complete with Farrand Magnetic Power Cone Speaker. Highest quality throughout. Shpg. wt. 145.
No. 9808. List, $125.00.
YOUR PRICE **$72.50**

Set As Illustrated

Here the Plymouth Highboy Knight Receiver is offered without tubes or aerial and ground equipment. Genuine Farrand Magnetic Power Cone Speaker is built-in, along with the Knight 6/7 A-C All-Electric Chassis, as is fully described on page six. The attractive Console stands 48 in. high, 24 in. wide, by 15½ in. deep. Order a sample set today. Shipping weight, 140 lbs.
No. 9807. List, $125.00.
YOUR PRICE **$59.50**

With the Dignity of the Pilgrims

THE MARLBORO A·C· ALL ELECTRIC Knight 6-7

REAL A-C OPERATION

THE modern demand for **A-C receiver operation** finds its answer in the **Knight 6/7 A-C circuit.** Just plug it into the electric light **socket** and it is ready for operation. No batteries, no chargers, no eliminators—it offers **hum-free operation along with remarkable tone quality and volume.** Designed for operation on **105-120 volt 50-60 cycle A-C current.**

POPULAR CONSOLE DESIGN

This attractive **ortho-type console** is of **genuine walnut plywood,** beautifully shaded and **sturdily constructed** with a beautiful large size silk backed grill behind which is housed a **genuine exponential type 86-inch air column speaker along with a genuine Fidelity unit.** The console is **hand-rubbed** to a **beautiful soft satin finish** which retains all the natural beauty of the **select walnut** used in its manufacture. It stands 44¾ in. high, 28 in. wide and 17 in. deep. **Its unusual design and massive construction makes it a worthy companion to the finest of furniture.**

GENUINE AIR COLUMN SPEAKER

The remarkable **popularity of the large air column type exponential horn** assures a ready sale for this popular receiver. It is equipped with an **86-inch Puropower exponential type air column horn** along with a genuine Fidelity unit **noted for its remarkable tone quality and volume carrying capacity.** It assures **true reproduction** of all the **over tones, as well as undistorted reception** from the **highest** to the **lowest notes** of the musical scale.

The attractive Edinburgh Console stands 44 in. high by 17½ in. deep by 28½ in. wide. Opened or closed it presents an unusually striking appearance.

PERFECT CONTROL

The beautiful **illuminated drum dial provides perfect tuning control.** As the drum is rotated, **station after station** will come in with remarkable **tone quality.** You will find real pleasure in **tuning** the **Knight 6/7 A-C receiver.**

THE 6/7 CIRCUIT

Designed for **A-C operation drawing its power direct from the light mains.** The circuit employs **one stage of untuned radio frequency,** and two stages of **tuned radio frequency** amplification. It incorporates **one radio frequency tuned detector stage** and **two stages** of transformer audio frequency amplification with **power tube equipment.** For operation on **105-120 volt 50-60 cycle A-C current.**

RESERVE POWER

The Knight 6/7 circuit **provides a reserve of power, ample for all occasions.** Drawing its power direct from the **electric light socket,** it provides **consistent conception** eliminating the fluctuations caused by run down batteries, etc., in old style receivers.

CONSOLE OF SELECTED WALNUT

Nothing has been spared **in the design of this console** that would enhance its natural beauty. It is of **genuine walnut plywood, beautifully shaded and sturdily constructed with an attractively designed** large sized silk backed grill. Its sturdy, **massive appearance** will meet with the instant approval of the **most critical radio buyer.** The deep pitch and **wonderful tone quality** of the **exponential air column horn** assures unusual popularity for this type of receiver.

SET ONLY—AS ILLUSTRATED WITH AIR COLUMN SPEAKER

Here you are offered the **complete receiver as described above for A-C operation.** It is equipped with an **86-inch** genuine Puropower exponential type air column speaker and Fidelity unit. **A combination that provides unusual tone quality and volume.** A complete description of the famous **Knight 6/7 circuit will be found on Page 4.** An exceptional value at the low price quoted. **Tubes, aerial and ground equipment are not included.** Shipping weight 150 pounds.

No. 9956. Retail list $175.00.

YOUR PRICE $82.70

SET WITH ALL ACCESSORIES COMPLETE—READY TO OPERATE

Here this popular receiver is offered **complete with all the necessary accessories for its operation. Nothing has been overlooked.** Equipment includes four type X226, A-C tubes, one type Y 227 detector tube, one type X171-A power tube and one type X280 rectifier tube along with all necessary aerial and ground equipment. **Exponential Air Column Horn and Fidelity unit built in. Highly recommended.** Shipping weight 155 pounds.

No. 9957. Retail list $200.00.

YOUR PRICE..... $95.70

Knight A-C Electric Chassis 8-9

SINGLE illuminated drum control. Only one tuning control centered on the bronze escutcheon plate for symmetrical beauty. The small knob to the left of the illuminated drum, switches the set on or off. The right hand knob controls volume.

PUSH-PULL AUDIO
Push-pull power amplification employing two power tubes assures tremendous volume, and true tonal reproduction in this famous chassis.

List $100
$45.00 NET

The Knight 8/9 A-C Circuit
The Knight 8/9 Circuit presents the ideal combination of features for perfect radio reception. The circuit employs a total of **nine tubes** as follows: **One** stage untuned radio frequency, **two stages** of tuned radio frequency amplification, **one tuned** radio frequency **detector stage**, **two stages** of transformer coupled audio frequency, **one stage** of bass reproducing **push-pull** power amplification, employing power tubes. The power plant employs one type X280 Rectifier Tube. The perfect **matching** of parts and the perfect **balancing** on completion, assures unusual perfection in the Knight 8/9 A-C Circuit.

ALL ELECTRIC OPERATION — NO HUM — PUSH-PULL AUDIO

IN the Knight 8/9 A-C All-Electric Receiver you will find your ideal in performance. Unusual selectivity insures **extreme distance range.** Perfect **balancing** of the radio frequency circuit, coupled with **efficient shielding,** assures unusual selectivity. The use of **push-pull power audio amplification** in the audio circuit assures remarkable **tone quality** and tremendous volume. The all-metal **velvety-green** finished panel, with its beautiful **Chinese escutcheon** plates, contains only three knobs. The beautiful **illuminated drum dial** provides **perfect** control, and permits unusually **fine tuning,** due to its **vernier** construction. The chassis proper is **die formed** in one piece of **16-gauge** metal, heavily **cadmium plated.** For operation on 105 to 120 volt, 50-60 cycle A-C current.

SENSITIVE — SELECTIVE

The tremendous power, **unusual selectivity,** and **remarkable** sensitivity of the **Knight A-C 8/9** All-Electric Circuit **adapts** it for use in the most congested broadcasting districts. Its simplified tuning, **remarkable distance range,** and freedom from **critical** adjustments, establishes a **new standard** in radio performance. Its remarkable **tone quality** and **tremendous volume,** is the **delight** of all who hear it.

CHASSIS AS ILLUSTRATED

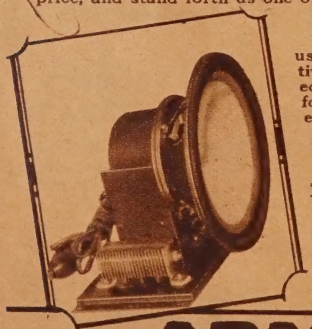
For dealers who desire to feature their own receiver, the Knight 8/9 A-C Chassis is offered. Furnished with an 8x18 in. panel, it is **readily adaptable** for use in practically any console. A console for this chassis may be selected from the large variety shown in this catalog. Shipping weight, 70 lbs.
No. 9852. List price, $100.00.
YOUR PRICE **45.00**

HOUSED IN BEAUTIFUL CONSOLE CABINETS

On the following pages, the **Knight 8/9 A-C All-Electric Chassis** is offered in a wide variety of modern and **attractively designed** and **finished** consoles. Equipped with both **Dynamic** and **Magnetic Speakers.** Your trade will be **quick to appreciate them.**

YOUR FEATURE RADIO SET FOR 1929

You are urged to order a **Knight Chassis** for use as a demonstrator. Knight Receivers are built for service. They offer **maximum performance** at a minimum price, and stand forth as one of the **season's greatest values** in A-C Receivers.

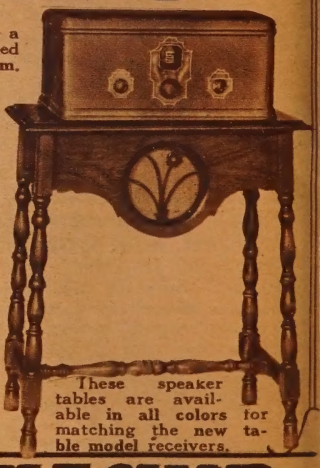


COLORED SPEAKER TABLES

These beautiful tables are **designed especially** for use with **Knight** Receivers. Finished in an **attractive** Walnut, **Chinese Red,** or **Chinese Green,** and equipped with the **famous Farrand** Speakers, they form the **ideal combination** for table model receivers. A more complete description of these beautiful speaker tables will be found on Page 137.

FARRAND SPEAKERS

In all console models of the Knight Receivers, **Farrand Speakers** are standard equipment. Their wonderful **tone quality,** extremely wide **musical range,** and remarkable **volume** carrying capacity make them the **ideal speaker** for use with Knight Receivers. They are available in both the **Magnetic Cone,** and Power **Dynamic Cone** Speaker **Types.** A full description of the speaker chassis will be found on Page 88.



These speaker tables are available in all colors for matching the new table model receivers.

ARMORED BATTLESHIP

Senior A-C-8-9 Knight Electric

1-DIAL
SINGLE CONTROL — ILLUMINATED DRUM

THE famous Knight 8/9 A-C All-Electric Circuit is here offered in a beautiful table model cabinet that is in strict keeping with the modern trend in radio. The big handsome cabinet measures 19½ in long, 12½ in. wide, and 8¾ in. high. It offers you the utmost in radio efficiency, at a price far below its actual value. Its remarkable distance range, and unusual selectivity are found only in the highest priced receivers. Push-pull amplification, employing power tubes, assure remarkable fidelity and mellowness of tone with ample volume for all requirements. Only the finest parts are used in its construction.

$49.50

WONDERFUL TONE

Push-pull amplification such as is employed in the Knight 8/9 Circuit, has long been recognized as radio's finest amplifying system. Its enviable reputation is due to its remarkable tone quality, freedom from distortion, and tremendous volume.

COLORED CABINETS

The Senior A-C 8/9 Receiver is available in either a brown bronze cabinet, a Chinese red, or Chinese green finish. They add a touch of brightness to any room, in which they may be placed. All metal construction assures unusual rigidity.

PUSH-PULL AUDIO

Push-pull power amplification. The extreme sensitiveness assures wonderful tone, and ease of tuning on distant stations. The beautiful Chinese design escutcheon plates, with the attractive illuminated drum dial, presents a rich, striking appearance.

Set — With Accessories

Equipment includes 5 type X226 A-C tubes, one type Y227 detector tube, two type X171A power tubes, one type X280 rectifier tube and complete aerial kit.

No. 9839. Brown Bronze.
No. 9847. Chinese Green.
No. 9843. Chinese Red.
List, $140.00.
YOUR PRICE. **$65.45**

THE KNIGHT 8/9 A-C CIRCUIT

Offers genuine A-C operation, without the use of batteries, eliminators, etc. Draws all necessary power direct from the electric light socket. Circuit employs a total of nine tubes, as follows: Three stages of radio frequency amplification, one tuned radio frequency detector stage, two transformer coupled audio stages, and one push-pull power audio amplification stage, employing power tubes. Operates on 105-120 volts, 50, 60 cycle A-C current. The large size power plant is built-in on the sub-chassis of the receiver. See page 16 for chassis description.

SET ONLY

Here the Senior A-C 8/9 All-Electric Receiver is offered, as illustrated above. Accessories not included. An exceptional value at the low price quoted. Shipping weight, 65 lbs.

No. 9838. Brown Bronze.
No. 9842. Chinese Red.
No. 9846. Chinese Green.
List, $110.00.
YOUR PRICE..... **$49.50**

WITH MAGNETIC CONE SPEAKER TABLE AND ALL ACCESSORIES

The famous Senior A-C 8/9 Receiver along with an attractive speaker table, as illustrated on Page 137, equipped with a genuine Farrand Magnetic Cone is here offered at a price that defies all competition. Accessories include 5 type X-226 A-C tubes, one type Y-227 detector tube, 2 type X-171A power tubes and 1 type X-280 rectifier tube along with aerial kit. See page 137 for description of speaker table.

No. 9840. Brown Bronze.
No. 9844. Chinese Red.
No. 9848. Chinese Green.
List. $170.00. YOUR PRICE.... **$82.95**

WITH DYNAMIC SPEAKER TABLE AND ALL ACCESSORIES

Here the Senior A-C 8/9 is offered complete with speaker table and genuine Farrand Dynamic Speaker, and all necessary accessories for its operation. Equipment includes 5 type X-226 A-C tubes, 1 type Y-227 detector tube, 2 type 171 power tubes, and 1 type X-280 rectifier tube, along with all necessary ground and aerial equipment.

No. 9841. Brown Bronze.
No. 9845. Chinese Red.
No. 9849. Chinese Green.
List. $210.00. YOUR PRICE... **$95.90**

SHIELDED CONSTRUCTION

The Manchester Knight

ALL ELECTRIC A.C. 8/9

YOUR PRICE
$95.35

RADIO PERFECTION

NEVER before have you been offered such an unusual value in a multiple tube receiver. It presents the utmost in radio efficiency along with a console of outstanding beauty and striking design. The handsome finish of the console with its burl walnut panels and attractive over-lays adapts it for use in any setting.

AC OPERATION

The advent of the new A. C. Tubes, whose filaments are actuated by raw A. C. current, makes possible real A. C. Operation in the Knight 8/9 Circuit. No batteries, no chargers, no eliminators; it draws its power direct from the electric light mains, assuring consistent performance. It is the utmost in radio convenience.

EASY TO TUNE

The beautiful illuminated drum dial provides perfect control, and permits unusually fine tuning. It is mounted behind a soft velvety green metal panel, with unusually attractive Chinese design escutcheons. The illuminated drum acts as a pilot light indicating when the set is "on or off."

Powerful—Selective —Sensitive

Employing a total of nine tubes, this Manchester receiver offers you extreme sensitiveness—unusual selectivity and real ease in tuning. Its tremendous reserve power assures perfect reception under the most trying conditions.

THE KNIGHT 8-9 CIRCUIT

Circuit consists of three stages radio frequency amplification, one tuned radio frequency detector stage, two stages of bass reproducing audio frequency amplification, and one stage push-pull power amplification, employing two power-tubes. A complete description of this remarkable chassis will be found on page 16.

WALNUT Console DeLuxe

The illustration cannot do justice to the wonderful appearance of the Manchester Model. Words cannot adequately describe the efficiency and tone quality of the Knight 8/9 Receiver. Only by sitting down and tuning it—listening to it—will you get a real conception of its beauty and efficiency.

Wonderful Tone

There is no compromise with tone quality in this famous Manchester 8/9 Receiver. It was designed to establish new radio standards—and to try one—to tune it, and hear it—will be convincing proof that we have accomplished our goal in producing a receiver beyond comparison with the present day standards.

AMPLE VOLUME

Equipped with a genuine Farrand Magnetic Power Type Cone Speaker, you are assured of the utmost in tone quality. Its beautiful mellow modulation, along with its tremendous volume carrying capacity, is more than ample to meet all normal requirements.

CONSOLE DESIGN

The Manchester Console is in strict keeping with the modern trend to better furniture in the home. It is made up of genuine black walnut panels and fine American gum wood. It stands 50 inches high, 27½ inches wide and 17 inches deep. The front doors are of selected American Walnut picked for the beauty of its grain. Shaped mouldings trim the doors off in unusual style. Beautifully turned legs with ornamental stretcher assures sturdiness. The carved apron adds a finishing touch of beauty to the console proper.

SET WITH CONE SPEAKER

The beautiful Manchester Receiver, with its genuine walnut console, and the famous Knight A. C. All-Electric 8/9 Circuit, is here offered equipped with a genuine Farrand Magnetic Type Cone Speaker.

No. 9988. Retail value, $200.00.
YOUR PRICE **$95.35**

SET WITH DYNAMIC SPEAKER

Equipped with a Farrand 110-volt, A. C. Type Power Dynamic Speaker. This receiver offers the ideal combination for critical buyers who desire the best, regardless of price.

No. 9990. Retail value, $225.00.
YOUR PRICE.. **$108.35**

WITH ALL ACCESSORIES AND CONE SPEAKER

Complete with all necessary accessories for its operation. Equipment includes five type X-226 A. C. tubes, one type Y227 detector tube, two type X171 power tubes, one type X280 rectifier tube; along with aerial and ground equipment.

No. 9989. Retail $222.50.
YOUR PRICE **$111.30**

With Dynamic Power Speaker and All Accessories

Complete with accessories, including Farrand Dynamic Power Speaker. Accessories include 5 type X226 A. C. tubes, 1 type Y227 A. C. detector tube, 2 type 171 power tubes and 1 type X280 rectifier tube, along with all necessary aerial and ground equipment.

No. 9991. Retail $250.00.
YOUR PRICE.. **$124.30**

the Cadenza 8 9 Knight A C ELECTRIC

A FEATURE RADIO SET

HERE we present a **rare combination** of features in a console receiver of the better class. Its **wonderful tone quality,** soft and mellow, yet offering **ample volume** for all needs is combined with **remarkable selectivity,** unusual sensitivity and **astounding distance range.** The console is of such **outstanding beauty** that it will win the **instant admiration** of the lover of fine furniture.

ALL ELECTRIC—NO HUM

The Knight Circuit offers you **real A. C. operation;** drawing all its power from the **electric light socket.** Its **tremendous reserve power,** unusual sensitivity, and **remarkable selectivity** are combined with one of radio's **greatest audio amplifying systems**—employing power tubes. Equipped with **genuine Farrand Speakers,** the Cadenza offers you **exceptional tone quality**—soft, mellow—and with such realism that it will **carry you back** to the broadcasting station.

PUSH-PULL AMPLIFICATION

Push-pull amplification, **long recognized as radio's greatest reproducing system,** is used in the Cadenza Model. The use of power tubes tends to **further enhance** the remarkable **tone quality** and **tremendous volume** of the Knight Circuit. Push-pull amplification **precludes the possibility** of distortion, regardless of volume. It provides a **100% safety factor** for perfect tone. All of this is offered, along with the **convenience of real A. C. operation.** For 105-120 volts, 50-60 cycle A. C. current.

A-C KNIGHT 8-9

Circuit employs a **total of nine tubes,** as follows: Three stages of radio frequency amplification, one tuned radio frequency detector stage, two transformer coupled audio stages, and **one push-pull power audio amplification stage,** employing power tubes.

BEAUTIFUL WALNUT CONSOLE

The beautiful Cadenza console is **winning recognition** as one of the season's outstanding designs in radio furniture. Only the finest **black walnut** and **American gum wood** are used in its construction. The front doors and inside panels are of the **finest butt matched walnut veneers.** The over-lays on the doors are of **genuine bird's-eye maple,** creating a **two-tone effect.** The legs are attractively turned with **carved tops** and are rigidly reinforced with an attractive **four-way stretcher** that is tastefully shaped and ornamented. The apron and top mouldings of the console are **beautifully carved.** The console is of **massive proportions,** standing 44 inches high, with top measuring 29½ inches wide by 16¼ inches deep. Beautiful **high-lighted,** shaded and rubbed lacquer finish. A console your better trade will be quick to appreciate.

REAL TONE

Its soft, mellow tone, covering **all audible frequencies,** from the lowest to the highest notes, is remarkable in its fidelity. It responds to the **faintest impulses of energy,** reproducing to **full volume** the weakest signals from distant stations.

Set Only with Farrand Magnetic Cone Speaker

The beautiful Cadenza Model, equipped with a **genuine Farrand Cone Speaker,** is offered at a price far below its actual value.

No. 9100. Retail value, $200.00. YOUR PRICE **$101.50**

With All Accessories

Complete with a **Farrand Cone Speaker, and all necessary accessories.** Equipment includes 5 type X226 A. C. Tubes, 1 type Y-227 Detector Tube, 2 type X171A Power Tubes, and 1 type X280 Rectifier Tube, along with all necessary aerial and ground equipment.

No. 9102. Retail value, $230.00. YOUR PRICE **$117.45**

Set Only with Farrand Dynamic Power Speaker

Equipped with a **Genuine Farrand 110 volt A. C. Type Dynamic Power Cone Speaker.** Shipping weight, 162 lbs.

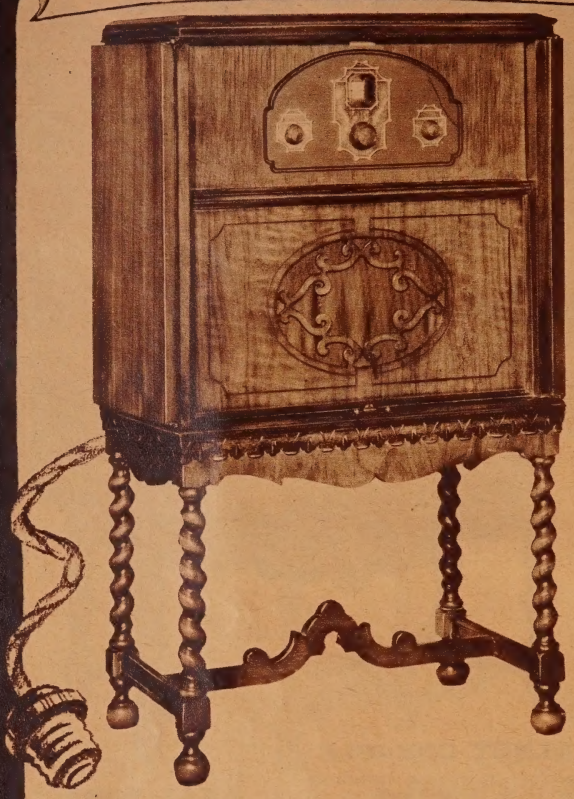
No. 9101. Retail value, $225.00. YOUR PRICE..... **$114.50**

With All Accessories

Complete with a **Farrand Dynamic Cone** and 5 Type X226 A. C. Tubes, one Type Y227 Detector Tube, 2 Type X171A Power Tubes and 1 Type X280 Rectifier Tube, **along with all necessary** aerial and ground equipment. **Nothing more required for operation.**

No. 9103. Retail value, $255.00. YOUR PRICE..... **$130.45**

Knight AC All Electric



8-9 The PURITAN

YOUR RADIO IDEAL

IN the Puritan receiver, you find a new ideal in radio furniture. The rare beauty of the console coupled with the unusual efficiency of the 8/9 circuit and its wonderful speaker equipment produces a combination that offers the utmost in tone quality, volume, selectivity, sensitivity and reserve power. Words cannot adequately describe the remarkable efficiency and exceptional tone quality of the Knight circuit, yet all of this is offered you along with practical A. C. operation requiring only to be plugged into the electric light socket.

GENUINE WALNUT CONSOLE

The console is of unusual design and striking beauty. Its attractively finished doors, its spiral rope style legs and ornamental stretcher all combine to stamp it out as one of the season's most graceful and dignified consoles, offering attractiveness with practical design for radio use. The front doors are of genuine matched walnut with overlays creating a marvelous two-tone effect. Its beautiful finish is hand rubbed to a soft dull sheen. Stands 45⅜ inches high, top measures 24½x16½ inches.

REAL TONE AND VOLUME

Push-pull power amplification in the Puritan receiver provides tremendous volume without distortion. A convenient volume control permits perfect adjustment of volume from a soft whisper to the full round blare of an orchestra. Genuine Farrand Speaker equipment tends to further enhance the remarkable output of the Puritan receiver. These speakers cover with remarkable fidelity the entire audible scale from the lowest to the highest notes. See page 88 for more detailed description of these remarkable speakers.

POWERFUL

In the Knight 8-9 circuit a total of NINE TUBES are employed. Efficient design TAKES FROM EACH TUBE ITS FULL OUTPUT, resulting in a reserve of power that is MORE THAN AMPLE to meet all normal requirements. It offers you consistent peak performance.

THE KNIGHT 8/9 CIRCUIT

Designed for A. C. operation requiring only to be plugged into the electric light socket for all its power. Circuit consists of three stages radio frequency amplification, one tuned radio frequency detector stage, two stages of bass reproducing audio amplification and one stage push-pull amplification employing power tubes.

FARRAND SPEAKERS

The Puritan Console is available with GENUINE FARRAND SPEAKERS of either the Magnetic or the new power Dynamic types. These speakers are noted for their wonderful tone quality, EXTREMELY WIDE MUSICAL RANGE and remarkable volume carrying capacity. They are the IDEAL SPEAKERS for use with Knight receivers.

Push Pull Power Amplification

WITH FARRAND MAGNETIC CONE SPEAKER

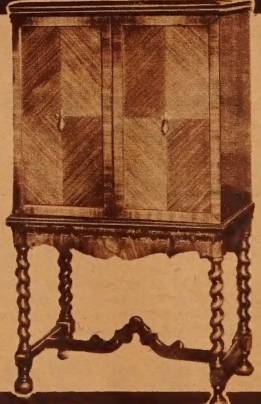
The Puritan Model A. C. Knight 8/9 is here offered in its beautiful walnut console equipped with a genuine Farrand Magnetic Type Cone Speaker. Tubes, aerial and ground equipment are not included.

No. 9104. Retail list, $200.00. YOUR PRICE **$95.75**

WITH DYNAMIC SPEAKER

Complete Puritan receiver as listed above except with genuine Farrand 110 volt A. C. type Power Dynamic Speaker. Recommend for the utmost in tone and volume.

No. 9106. Retail list, $220. YOUR PRICE **$108.75**



WITH FARRAND CONE AND ALL ACCESSORIES

Complete outfit consists of the Puritan receiver as described equipped with Farrand Magnetic Cone Speaker along with five X226 A. C. tubes, one type Y227 detector tube, two type X171A power tubes and one type X280 rectifier tube and all necessary aerial and ground equipment.

No. 9105. Retail list, $225. YOUR PRICE **$111.70**

WITH DYNAMIC SPEAKER

Here the Puritan is offered with all accessories and a genuine Farrand Dynamic Speaker. Nothing has been overlooked. It comes to you complete ready to set up and operate. An exceptional value.

No. 9107. Retail list, $250.00. YOUR PRICE **$124.70**

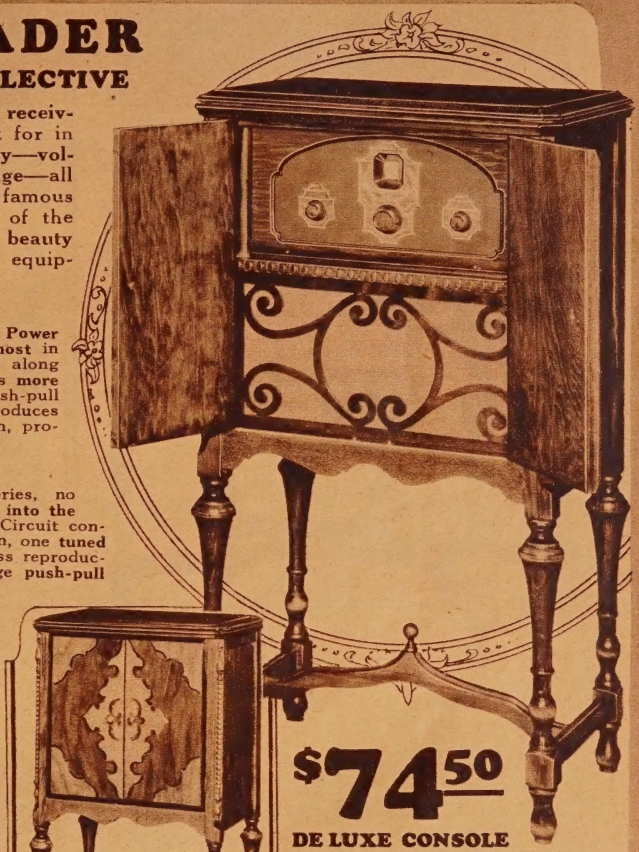
The Answer to "What Radio Shall I Buy?"

A-C Aristocrat 8-9 Knight ALL ELECTRIC

A SALES LEADER

POWERFUL—SENSITIVE—SELECTIVE

HERE is one of the season's outstanding receiver values. Everything that you look for in highest priced receivers—tone quality—volume—sensitivity—selectivity—distance range—all of them in good measure are offered in this famous Aristocrat Model. The unusual efficiency of the **Knight 8/9 Circuit,** coupled with the rare beauty of its console, with its remarkable speaker equipment, offers you an **unusual radio value.**



TREMENDOUS VOLUME

Equipped with a genuine **Farrand Magnetic Power Type Cone Speaker,** you are assured of the **utmost** in tone quality. Its beautiful **mellow** modulation along with its **tremendous volume** carrying capacity, is **more** than **ample** to meet all normal requirements. Push-pull audio amplification, employing **power tubes,** produces unusual **roundness** and **brilliance in** reproduction, providing **tremendous volume** without distortion.

THE KNIGHT 8/9 A-C CIRCUIT

Here is real radio convenience. No batteries, no chargers, no bothersome eliminators; just **plug it into the electric light socket** and it is ready to operate. Circuit consists of **three stages** radio frequency amplification, one **tuned radio** frequency detector stage, two stages of bass reproducing **audio frequency amplification,** and one stage **push-pull power** amplification, employing **two** power tubes.
A complete description of this remarkable chassis will be found on Page 16.

PUSH-PULL AMPLIFICATION

One of radio's greatest **amplifying** and **reproducing** systems is used in this famous chassis—**push-pull amplification with power tubes.** This provides a **tone quality** that is **surprising** in its **fidelity—with** a volume that **meets all** requirements—yet under **instant** control, from a **whisper** to the **full round volume** of a large orchestra. It is radio as you have always wanted it. Operates on 110 volt, 60 cycle current.

REAL TONE QUALITY

There is no compromise with **tone quality** in this famous **Aristocrat 8/9** Receiver. It was designed to **establish new** radio standards—and to try one—to **tune** it, and **hear** it—will be **convincing proof** that we have accomplished our goal in producing a receiver **beyond comparison** with the present day standards.

$74.50

DE LUXE CONSOLE

The console is constructed of **genuine walnut,** beautifully finished in **two-tone** effect with light color **scroll design** overlays. Its attractively turned legs and **ornamented** stretcher imparts unusual rigidity. Console stands 41½ in. high, top measures 22½ in. wide, by 15½ in. deep. Equipped with a **genuine Farrand Magnetic Type Cone Speaker** that has already earned an **enviable reputation** for its remarkable **tonal range** and **volume** carrying capacity. A complete description of this famous speaker will be **found on Page 137.** This remarkable console, with its **genuine Farrand Speaker** equipment and the famous **Knight 8/9 A-C Circuit,** produces a rare **combination.**

A-C ALL ELECTRIC

The advent of the **new A-C Tubes** whose filaments are actuated by **raw A-C Current,** makes possible **real A-C Operation** in the Knight 8/9 Circuit. No batteries, no chargers, no eliminators; it draws its power direct from the **electric light mains,** assuring consistent performance. It is the **utmost** in radio convenience.

ILLUMINATED DRUM

The beautiful **illuminated drum dial** provides **perfect** control, and permits **unusually** fine tuning. It is mounted behind a **soft velvety green metal** panel, with unusually attractive **Chinese design escutcheons.** The illuminated drum acts as a **pilot light,** indicating when the set is on or off.

SET ONLY AS DESCRIBED

Here you are offered the popular **Aristocrat 8/9 A-C Receiver,** housed in its **beautiful console** with genuine **Farrand Magnetic Cone Speaker Equipment.** Tubes, aerial and ground equipment are not included. It offers you features **found only** in the highest priced sets, such as genuine Walnut console construction, **shielded chassis,** A-C Operation, **push-pull** audio, **employing power tubes. Everything the finest. An unusual value at the low price quoted.** Shipping weight, 133 lbs..

No. 9836. Retail, $155.00.
YOUR PRICE .....

$74.50

COMPLETE WITH ACCESSORIES

Complete with all accessories, **ready to plug into the electric light socket** and operate. Equipment includes **5 Type X-226 A-C Tubes, 1 Type Y-227 A-C Detector Tube, 2 Type X171A Power Tubes, and 1 Type X280 Rectifier Tube. Everything necessary for operation is included.** The genuine Walnut Console with the Knight 8/9 A-C Chassis is equipped with a Farrand Magnetic Type Power Cone Speaker.
An **unusual value at the low price quoted.** Shipping wt., 140 lbs.

No. 9837. Retail, $187.00.
YOUR PRICE .....

$90.45

The Venitian Knight 8-9 A-C Electric

YOUR RADIO IDEAL

EVERYTHING that you look for in a radio receiver, is offered in this beautiful **Venetian Knight 8/9 A-C Electric Model.** Beautiful **genuine walnut two-tone console,** with its exquisite **scroll design overlays** and ornamental stretcher. The Knight Circuit offers you the **convenience** of **real A-C** operation; drawing all its power from the **electric light socket.** Its tremendous **reserve power,** unusual **sensitivity,** and remarkable selectivity are combined with one of radio's **greatest audio amplifying systems**—employing power tubes. Push-pull audio offers you the **utmost in tone quality,** and provides a **volume far in excess of normal home requirements.** Equipped with **genuine Farrand Speakers,** the Venetian offers you exceptional tone quality—soft, mellow—and with such realism that it will carry you back to the broadcasting station.

SHIELDED CONSTRUCTION

Efficient shielding of **Knight 8/9 Circuit,** assures **unusual selectivity** and **extreme distance range.** Perfect design, takes from each tube its full efficient capacity and provides a **reserve of power** that will surprise you.

PUSH-PULL POWER AUDIO

Two power tubes in the **Knight Push-Pull Audio System** assures tremendous volume, and **true tonal reproduction.** The low notes of the musical scale, so long missing in radio reproduction, are saved with **their full value** in the Knight 8/9 Circuit. Its tremendous volume is under **instant control** from a **whisper** to the full round volume required in a large hall.

POWERFUL

Efficient design in the Knight 8/9 Circuit, results in a **reserve of power,** that will astound you. The ease with which **distant stations** are brought in, the way it cuts right through the locals; will **quickly convince you** of its quality.

KNIGHT 8/9 A-C ELECTRIC CIRCUIT

The Knight 8/9 A-C Electric Circuit employs a total of **nine tubes.** Circuit consists of 1 stage untuned radio frequency amplification, 2 stages of tuned radio frequency amplification, 1 tuned radio frequency detector stage, 2 stages **transformer coupled** audio frequency amplification, and 1 stage **push-pull amplification** employing **power tubes.** Expertly assembled and **efficiently** designed. It offers you the **utmost** in radio performance. Operates on 105-120 volts, 50-60 cycle, A-C current.

DRUM CONTROL

As the beautiful **illuminated drum dial** is rotated, station after station will come in, with **unusual quality** and surprising ease. Its simplified tuning, coupled with its **tremendous power,** is establishing **new standards** for radio performance.

GENUINE WALNUT CONSOLE

The exquisite **Venetian Console** is the design of artists. Beautiful lines and graceful proportions. The attractive **burl walnut front** doors are beautifully embellished with a **scroll maple** overlay. Stands 54 in. high, by 29 in. wide, by 18½ in. deep. Its attractively turned legs and ornamented cross stretcher imparts **unusual rigidity.** Hand-rubbed lacquer finish brings out the **beautiful walnut grain.**

Set Only With Farrand Cone Speaker

The beautiful Venetian Model, equipped with a **genuine Farrand Cone Speaker,** is offered at a price far below its actual value. A complete description of the **famous Knight 8/9 Chassis** will be found on **Page 16.** Shipping weight, 145 lbs.

No. 9864. List price $200.00 YOUR PRICE.. $87.85

Set with Accessories & Cone Speaker

Complete with a **Farrand Cone Speaker,** and all necessary accessories for its operation. Equipment includes 5 Type X-226 A-C Tubes, 1 Type Y-227 Detector Tube, 2 Type X171A Power Tubes, and 1 Type X280 Rectifier Tube, along with all **necessary aerial** and ground equipment. Shipping weight, 149 lbs.

No. 9865. List value, $231.00. YOUR PRICE $103.80

Set only with Farrand Dynamic Speaker

Equipped with a **genuine Farrand** 110-volt A-C Type **Dynamic Power Cone** Speaker. Shipping weight, 162 lbs.

No. 9866. List price, $240.00. YOUR PRICE $100.85

Set with Accessories and Dynamic Cone

Complete with **Farrand** Dynamic Cone and 5 Type X-226 A-C Tubes, 1 Type Y-227 Detector Tube, 2 Type X-171A Power Tubes and 1 Type X-280 Rectifier Tube, along with all necessary aerial and ground equipment. Nothing more required for operation. Shpg. wt., 180 lbs.

No. 9867. List value, $271.00. YOUR PRICE $116.80

Beauty-Performance-Power-

WINCHESTER A.C. ALL ELECTRIC 8/9 KNIGHT

A NEW RADIO
STURDY — EFFICIENT — BEAUTIFUL

THE radio enthusiast will find his ideal in the Winchester Knight 8/9 Receiver. It offers **tremendous power — unusual selectivity —** remarkable sensitivity, and a **quality of tone and volume** that will prove an ever increasing delight to its owner. The beautiful console will be a **worthy addition** to the finest of home furnishings. A. C. operation makes for **real convenience,** while its **wonderful tone** and volume place before you the **utmost in pleasant entertainment.**

KNIGHT 8/9, A. C. OPERATED

The simplified **one dial tuning,** the remarkable **distance range** and freedom from **critical adjustments** in the Knight 8/9 Circuit establishes a **new standard** in radio performance. Push pull power audio assures **remarkable tone quality** and tremendous volume. Equipped with Genuine Farrand Speakers, it places **before you a combination that makes for real radio perfection.** A complete description of the famous Knight A. C. 8/9 Chassis with which the **Winchester Receiver** is equipped will be found on **Page 16.**

A GORGEOUS CONSOLE OF NEW DESIGN

THE Winchester Console **reflects real art** in the design of radio furniture. Its attractive doors are faced with **well figured Swirled English Oak** of exquisite grain. Attractive rope style spiral legs. The apron is constructed of **genuine carved moldings** which go all the way around the sides of the cabinet. The console stands 49 inches high, 33 inches wide, and 16½ inches deep. The doors are so designed that they **slide back** into the console itself, **protecting them from damage** and saving space.

SET ONLY, AS ILLUSTRATED

For 105 to 120 volts, A. C. Set and Console equipped with a **Genuine Farrand Magnetic Cone Speaker**—noted for its pure mellow tone and sensitiveness. Requires five type 226 tubes, two type 171, one type 227 and one type 280 rectifier tube.
No. 9992. Retail value, $207.50. YOUR PRICE **$101.95**

SET WITH ACCESSORIES

For 105 to 120 volts A., C.—**with all accessories**—nothing else to buy—including **Farrand Magnetic Cone Speaker** and five type 226 tubes, two type 171, one type 227, one type 280 rectifier tube and all necessary aerial and ground equipment.
No. 9993. Retail value, $237.50. YOUR PRICE.... **$117.90**

WITH DYNAMIC SPEAKER

For 105 to 120 volts, A. C.—Set and beautiful Console, including Genuine **Farrand Dynamic Power Cone Speaker.** Requires five type 226 tubes, two type 171, one type 227, and one type 280 rectifier tube. **Highest quality throughout.**
No. 9994. Retail value, $230.00. YOUR PRICE **$114.95**

WITH DYNAMIC SPEAKER AND ALL ACCESSORIES

For 105 to 120 volts, A. C.—**equipped with all accessories**—nothing else to buy—including **Farrand Power Dynamic Speaker,** five type 226 A. C. tubes, two type 171, one type 227, one type 280 rectifier tube and necessary ground and aerial equipment.
No. 9995. Retail value, $265.00. YOUR PRICE..... **$130.90**

BETTER FURNITURE

The modern trend to **better furniture** in the home finds its answer in this beautiful radio console. Its **unique design** and **beautiful finish** can only be associated with the **highest priced furniture.**

The Lincoln 8/9 ALL ELECTRIC KNIGHT A C

The Lincoln Console is equipped with a convenient drop door that closes off the receiver when not in use and acts as an arm rest when tuning.

A QUALITY RECEIVER

HERE is one of the season's outstanding receiver values. Everything that you look for in highest priced receivers—tone quality—volume—sensitivity—selectivity—distance range—all of them in good measure are offered in this famous Lincoln Model. The unusual efficiency of the Knight 8/9 Circuit, coupled with the rare beauty of its console, with its remarkable speaker equipment, offers you an unusual radio value.

Wonderful Distance Range

The tremendous distance range of the KNIGHT 8/9 is the result of PERFECT ENGINEERING and the use of only the HIGHEST QUALITY PARTS in its construction. Rigid inspections and CAREFUL TESTS during manufacture, finds its CULMINATION in the PERFECT BALANCING of the finished receiver, assuring TREMENDOUS SENSITIVITY and UNUSUAL SELECTIVITY.

Humless, A. C. Operation

In the KNIGHT 8/9 A.C. CHASSIS, the POWER PLANT, which is built in as an INTEGRAL PART of the unit, is of ample size and capacity, providing a WIDE SAFETY FACTOR. Its large OVERSIZE FILTERING system assures a TOTAL FREEDOM from hum. The circuit employs a total of 9 tubes in THREE STAGES RADIO FREQUENCY, tuned detector stage, two transformer coupled audio and ONE STAGE PUSH-PULL AUDIO employing power tubes.

BEAUTIFUL CONSOLE OF GENUINE WALNUT

The beautiful Lincoln Console is constructed of **Genuine American Walnut.** It stands 37 inches high, top measures 22x15 inches. **Its design is the work of artists.** The smallest constructional details have been carefully worked out. Modern manufacturing methods impart to it a ruggedness and rigidity that will prove a revelation to the purchaser. The substantial **turned legs** are securely braced with an attractive stretcher. The top of the console tilts up, permitting access to the receiver. **Beautifully finished and high lighted.**

TONE QUALITY—VOLUME—SELECTIVITY

Available with genuine Farrand Speakers of either the Magnetic Cone or Power Dynamic Types. The ability of a receiver to **pick-up distant stations,** is not the only test of its quality. Tone and volume are also an important factor. The use of **push-pull** audio amplification in the **Knight Circuit** employing power tubes, provides **tone quality** that is surprising in its fidelity.

WITH CONE SPEAKER

Set and console equipped with a **genuine Farrand Magnetic Cone Speaker**—noted for its **pure mellow tone** and sensitiveness. Receiver designed for operation on 105-120 volt, 50-60 cycle A.-C. current. **An exceptional value.**

No. 9996.
Retail Value $135.
YOUR PRICE **$65.95**

WITH ALL ACCESSORIES READY TO OPERATE

For 105 to 120 volts A.-C.—**with all accessories**—nothing else to buy—including Farrand Magnetic Cone Speaker and five type 226 tubes, two type 171, one type 227, one type 280 rectifier tube and all necessary aerial and ground equipment.

No. 9997.
Retail Value $165.
YOUR PRICE **$81.90**

WITH DYNAMIC SPEAKER

Complete Lincoln receiver including a **genuine Farrand Magnetic Type Cone Speaker.** Tubes, aerial and ground equipment not included. See Page 88 for complete speaker description.

No. 9998.
Retail Value $160.
YOUR PRICE **$78.95**

WITH DYNAMIC SPEAKER AND ACCESSORIES

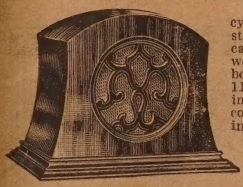
For 105 to 120 volts, A.-C.—**equipped with all accessories**—nothing else to buy—including **Farrand Power Dynamic Speaker,** five type 226 A.-C. tubes, two type 171, one type 227, one type 280 rectifier tube and necessary ground and aerial equipment.

No. 9999.
Retail Value $195.
YOUR PRICE.... **$94.90**

Here the Lincoln Console is shown in its closed view. Note the attractive overlays—the beautiful grain of the wood, etc.

New Low UTAH Prices

Latest UTAH Dynamic

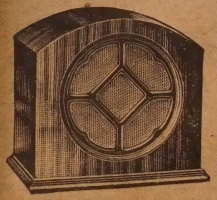


MODEL 65

Designed for use on 110 volt 50-60 cycle A. C. current. Establishes a new standard in tone quality and volume carrying capacity. Attractive walnut ply wood cabinet having grilled design in both front and rear. Cabinet measures 11¾ inches high, 15 inches wide and ten inches deep. Equipped with 10 foot power cord and switch. An exceptional value in a high grade nationally advertised, genuine Dynamic Power Speaker.

Stock No. 8476.
Retail list $49.50.
YOUR PRICE... **$29.11**

UTAH X20 SPEAKER



Here you are offered one of Utah's newest creations in an attractively designed loud speaker featuring the famous Utah Power Motor. For tone quality and volume it surpasses the Utah standard of quality.

GENUINE WALNUT CABINET

Cabinet of genuine walnut plywood, attractively finished in antique brown. Stands 10½ inches high, 12 inches wide and 7½ inches deep. A real value. Weight, each 7 lbs.

No. 8478. Retail Price, $19.50.
YOUR PRICE **$11.47**

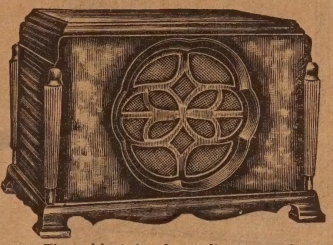
Utah X30 Mantle Speaker

A Utah leader. Cabinet of genuine walnut plywood, attractively finished in hand rubbed antique brown. Both front and back have same grill and appearance. Has the famous Utah power motor noted for its wonderful clarity and volume. **11½ in. high, 15 in. wide and 8¼ in. deep.** Shipping wgt., 10 lbs.

No. 8498.
Retail, $30.00.
YOUR PRICE **$17.64**

UTAH "DYNOLA" Dynamic Speakers

Tremendous Volume Without Distortion



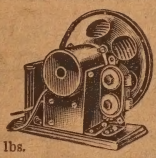
A genuine dynamic type speaker housed in a beautiful cabinet of five ply walnut with a genuine burl walnut front finished in antique brown. The cabinet is of non-directional design having the same grill and appearance in both the front and back. Stands 12½ in. high, 15½ in. wide and 12½ in. deep.

Blast and Rattle Proof

Utah Dynamic Speakers will handle tremendous volume without blast or rattle of any nature. They are unusually sensitive and respond to volume variations instantly, reproducing music and voice naturally. Wt., 35 lbs.

Model A-100	Model R-300	Model D-200
110 v. A.C. actuated type.	6 to 12 volts D.C. type. Operates from storage battery.	110 to 220 volts D.C. type.
No. 8492. Retail $65.00. NET.....	No. 8493. Retail $55.00. NET.....	No. 8494. Retail $55.00. NET.....
$38.22	**$32.34**	**$32.34**

Utah Dynamic Chassis



The wonderful reproduction of music by the Dynamic principle has created the demand for a Dynamic Chassis for console installation. This is the standard Utah chassis as listed in the dynamic speakers above. Wt., A-100, 20 lbs.; R-300, 200, 15 lbs.

Model A-100	Model R-300	Model D-200
110 v. A. C. actuated type.	6 to 12 volts D.C. type. Operates from storage battery.	110 to 220 volts D.C. type.
No. 8495. Retail $40.00. NET.....	No. 8496. Retail $30.00. YOUR PRICE	No. 8497. Retail $30.00. NET.....
$23.52	**$17.64**	**$17.64**

Utah XB Speaker FOR CONSOLES

No. 8499. For console installation these famous Utah power motors will impart wonderful tone quality, supersensitivity and tremendous carrying power. Furnished complete in plain wood cabinet ready for mounting in any position. No external baffle board required. A high grade, practical speaker arrangement backed by the famous Utah standards of quality. Dimensions, 9½x9½x5 in. Wt., 8 lbs.

$9.41 **Retail YOUR $16.00 PRICE** **$9.41**

ANSONIA Cone Speaker

A new, powerful cone reproducer. Suitable for installation in any console cabinet. Small in size, has wonderful tone quality and great volume.

Baffle Box

Completely installed in baffle box—self baffled. Incorporates many remarkable features of construction which insures perfect reproduction. Covers complete range of audible and musical frequencies with true fidelity. **Tone quality is natural and amazingly life-like.**

A Genuine Bargain

Simple to install in any console. Measures 6 in. deep by 10 in. wide by 10 in. high. Complete with cord. Offered at an unusually long discount for your sure profit.

No. 8549. Wt., 8 lbs. **List, $16.00. YOUR PRICE....** **$8.47**

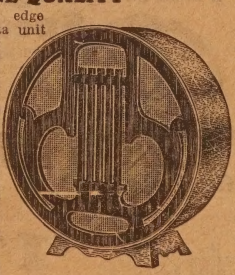
A $20.00 Value New Operetta Drum

Full Floating Free Edge **NOW $5.25**

A new drum cone speaker which is a masterpiece of acoustical development. Consists of a marvelous free edge cone speaker encased in an attractively finished heavy gauge non-vibrating aluminum drum.

SUPERIOR TONE QUALITY

The scientifically developed free edge cone is actuated by the new Operetta unit built of the finest materials with large heavy magnet and sensitive windings. The aluminum drum is beautifully finished in Tuscan bronze gold crackle crystalline. Highly finished and polished wood grill with attractive silk backing.



A $20.00 VALUE

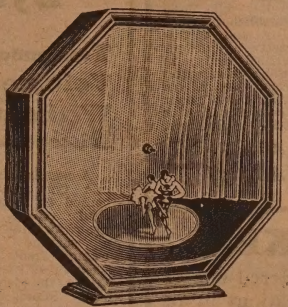
The Operetta drum regularly retails at $20.00. A real opportunity for live dealers to cash in on a speaker in popular demand. Not an obsolete speaker. This is our manner of establishing profitable merchandising for our dealers. Wt., 8 lbs.

No. 8565. List $20.00. YOUR PRICE **$5.25**

Colorful — Beautiful Accousticone Air Cone

The Year's Outstanding Speaker Sensation —Decorated

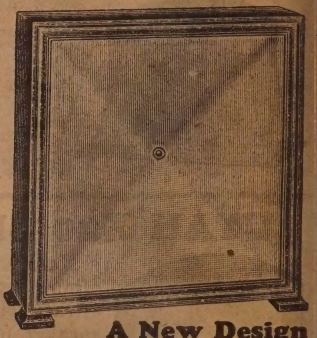
Air Cone speakers hand-painted. Beautiful designs. Decidedly attractive speakers that will lend grace to the most finely finished home. Striking colors — artistic beauty in every line. Offered in three models.



The Air Cone Principle

Unusual Tone Quality

The most startling speaker development. The balanced tension principle whereby the airplane cloth of the diaphragm is stretched tightly under tremendous tension in such a way that the diaphragm **responds to the slightest impulse from the driving unit.** Its characteristic difference from cone speakers of the usual type is that no low frequency paper is used, but instead impregnated airplane cloth of the finest grade stretched so tightly that it has in itself no natural vibratory period in the audible scale of frequencies.



A New Design

Here is the first really new speaker development since the invention of the cone speaker. An outstanding advanced principle of recent development. The peer of magnetic reproducers.

Light in weight, rigid in construction. Not influenced by climatic conditions, for no paper is used. Practically indestructible under average conditions.

Furnished in three strikingly attractive models to suit the individual taste.

Japanese Art Model

Air cone, floor type speaker beautifully and attractively painted with striking color effects. Stands approximately 30 in. high. Wt. 12 lbs.

No. 8468. List. $25.00. YOUR PRICE **$9.45**

Octagon Table Model

The stage design of the Octagon model is **beautifully hand painted in brilliant colors.** Its effect is unusually attractive. Stands approximately 20 in. high. Wt. 10 lbs.

No. 8469. List $25.00. YOUR PRICE.. **$9.45**

Silver Screen Model

Attractively finished in neutral color. Diaphragm and frame are **finished in silver.** The effect is beautiful and highly desirable wherever a neutral color is desired. Wt., 8 lbs. Size, 16x16 in.

No. 8470. List $18.00. YOUR PRICE **$6.65**

Peerless Dynamic Speakers

Lowest Wholesale Prices

Peerless presents a new dynamic speaker embodying radical new developments in construction. Built for those who want volume and quality of tone on near and distant stations alike. Enables you to listen to distant stations with ease and comfort where before you could barely bring them in with sufficient volume to hear.

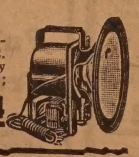
With perfection of tone it will provide enough volume to fill a hall or auditorium if desired. Wt., 22 lbs.

No. 8471. 110 v. A.C. model. List Price $65.00. YOUR PRICE. **$38.22**

Peerless Dynamic Chassis

Embodies new developments in dynamic speaker construction. In electrical efficiency it excels the average dynamic unit. Rugged construction. Designed for mounting in practically any console cabinet. Height of chassis, 14 in.; depth, 6½ in.; width, 5¼ in. Diameter of cone, 7 in. 110 volt A.C. model. Wt., 18 lbs.

No. 8472. List Price, $55.00. YOUR PRICE **$32.34**



Peerless Magnetic Speaker

Classic Gothic beauty, marvelous tone and volume. Matchless Peerless quality. Life-like reproduction. Fine performance on the low tones and the highest notes. No distortion, true-to-life rendition. Reproduces sound with amazing fidelity. Wt., 10 lbs.

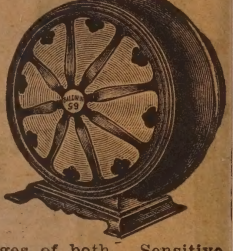
No. 8473. List $30.00. YOUR PRICE **$17.64**

Peerless Cone Chassis

Modernizes any radio set. Designed for ease of installation in any console cabinet. A sane, efficient reproducer contained in the famous Peerless Gothic speaker. Splendid performance. Brings any radio set up-to-date. Wt., 5 lbs.

No. 8474. List $18.00. YOUR PRICE **$10.58**

GENUINE BALDWIN 99 DRUM 50% OFF



A superfine musical reproducer. The Baldwin 99 is equipped with genuine Nathaniel Baldwin balanced armature unit of latest design. Combines the finest qualities of both cone and air column speakers eliminating the disadvantages of both. Sensitive to all frequencies—it reproduces the fine overtones and delicate shadings without introduction of false notes, noises or rattles.

Powerful

Super-sensitive and powerful. The new Baldwin 99 responds to the faintest impulse—it will yet handle the output of the most powerful amplifier without overloading or distorting. Actually tested at the factory on 400 volts with a 210 power tube.

Beautiful in Appearance

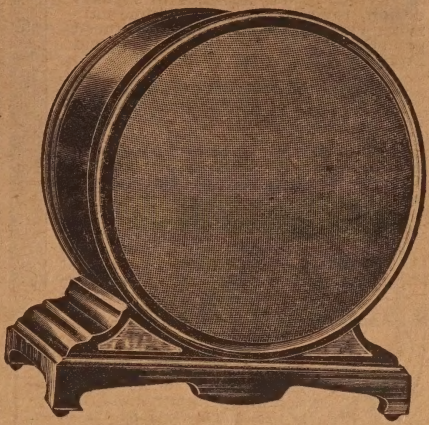
In the Baldwin 99 more thought has been given to appearance than has heretofore been customary in the design of speakers. It was designed by one of America's finest artists; its ornate lines catch and hold the eye. It is finished in dark bronze, with a lighter shade of silk in the grill. A tiny centerpiece of blue lends life to the whole effect. The 99 was designed for the finest homes and it adds to the attractiveness of any room, regardless of how richly it may be furnished. Shipping weight, 12 lbs.

No. 8511.
Retail List $28.50
Your Price **$13.75**

$25.00 RACON DRUM $10.95

Full 66 Inch Air Column

YOU will appreciate the mellowness of tone and the wonderful volume that the genuine exponential air column drum will give. **These drums with an actual air column length of 66 inches,** bring out the low notes with a marvelous realism. They cover the entire audible range giving the high as well as the low notes their proper values in the scale. They are impervious to climatic conditions and their wonderful performance is dependable and consistent throughout their long life.



Noted For Its Mellow Tone

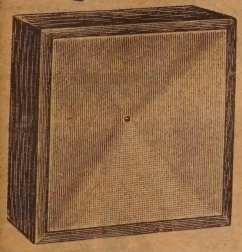
The exponential air column design is not for the full, round yet mellow tones it produces. The entire scale is rendered with proper values, reproducing an orchestra with all the timbre and brilliancy of the music as originally rendered in the broadcasting studio. The attractive, well proportioned design of the drums is pleasing to the eye and they find a ready place with the furnishings of the most finely appointed home.

Exponential Design

The exponential design of these drums is the result of careful experimenting in the application of established acoustical laws and the proper expansion of the air column. They measure 11½ in. in diameter and 7½ in. deep. Highly recommended to all who desire a high grade speaker of the drum type. Wt., 7 lbs.

No. 8562. Retail $25.00
Your Price
$10.95

Airplane Cloth Cone Kit



Tremendous Volume
Marvelous Tone

Build your own air cone speaker. Marvelous reproduction, perfect tone quality.

The airplane cloth is already tightly stretched under tension. Requires only the mounting of unit. Use Accousticone or any good cone unit. Chassis size 18x24x3 in. Rigidly made. Unfinished. Wt., 5 lbs.

No. 8479. List Value $10.00. YOUR PRICE... **$3.75**

Accousticone Unit

Speaker motor recommended for the above kit. Adaptable to any cone kit or cone speaker. Wt., 1 lb.

No. 6555. List $6.00. YOUR PRICE .....
$2.95

Airplane Cloth Dope

High grade solution for impregnating airplane cloth. **Not mailable.**

No. 6557. 8 oz. can. **YOUR PRICE. 29c**

Airplane Cloth

Genuine airplane cloth for making air cone kits. High quality grade A mercerized cloth. Width 36 in. Wt., 4 oz.

No. 6558. Yard 75c
No. 6559. Cone Apex... 10c

36 Inch Cone Kit

SIMPLE TO BUILD

You will marvel at the simplicity with which you can construct your own large three foot cone speaker.

The tremendous volume, supersensitivity and wonderful tone quality of factory built speakers is offered you in this special three foot kit and in addition an attractiveness that imparts to it a factory built appearance.

Each kit contains one fine speaker unit, one sheet heavy cone paper cut to proper shape with edging braid, one tube cement, 15 ft. connecting cord, ornamental cut out design, and complete instructions for assembling.

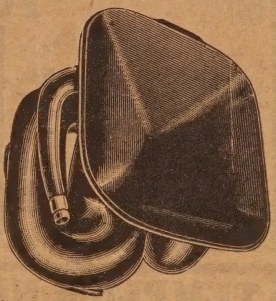
WONDERFUL TONE
EASY TO BUILD

The simplified instructions explain each operation so that the novice will experience no trouble in proper assembly. Its wonderful appearance when finished coupled with its remarkable performance will win for it a place in the living room of the most finely appointed homes. A real value. Wt., 5 lbs.

No. 8556. Retail Price, $9.00. OUR PRICE TO YOU ONLY..... **$3.95**

Fairfax Ortho Horns At Less Than Wholesale

6 Foot Air Column



Graceful, compact moulded wood tone chamber. Sweet and mellow as a violin. Produces low notes without distortion. May be put behind your console or used with any good unit.

True exponential design. 72-inch air column scientifically developed. Moulded of non-vibrating material which permits the use of tremendous amplification if desired without the rasp or harshness of reproduction found in the common type of speakers. For the lover of good music.

No. 8544. 72-Inch Air Column. Weight, 5 lbs. List Price, $15.00. An Astounding Value at..... **$6.25**

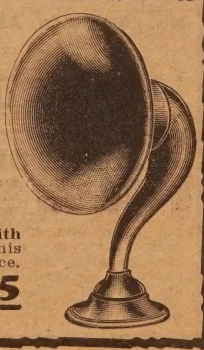
Fairfax Master—8 Foot Chamber

96-Inch Ortho Molded Wood Air Column. The Peer of them all. Both types are encased in substantial stained box for ease of installation.

No. 8548. 96-Inch Air Column. Weight, 8 lbs. List Price, $18.00. Reduced to..... **$9.95**

70% Off Baldwin Standard

$22.50 List Now $6.45



Genuine Baldwin standard reproducer equipped with extra large balanced unit. The finest horn type speakers.

Wonderful volume. Natural response to all frequencies. Vivid reproduction of the low bass notes. A standard, popular speaker. Known the world over for its remarkable performance. Full flare. Heavy metal stand.

The new Standard is equipped with the latest Baldwin unit. We offer this splendid speaker at a new low price. It is the large standard model. Wt., 12 lbs.

No. 8537. List Price $22.50. YOUR PRICE... **$6.45**

Temple Air-Chrome Speakers—

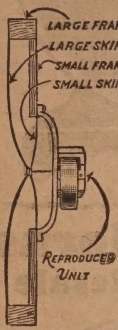
TONE!

THE Temple Air-Chrome speaker heralds a new advance in speaker design, tone quality and volume carrying capacity. The most advanced principles ever developed in sound reproduction.

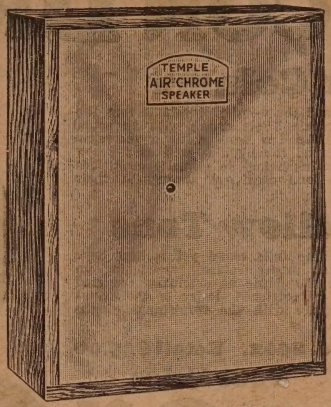
RIGID CONSTRUCTION

The square or rectangular frames of these speakers offer maximum protection for the entire unit and make possible an ease of installation in cabinets. The range of sizes is such as lends itself to almost any kind of cabinet or console.

SPEAKER MARVEL



The Temple Air-Chrome represents one of the most startling speaker developments that the radio industry has ever seen. Climatic changes have no influence on their operation in that no paper is used in their construction and the mechanical design is rugged. In Air-Chrome construction two tightly strung chemically treated skins form the diaphragm. At the balanced center a driving unit operates and as there is no dead weight to operate because of the balanced feature it is easy to understand how the slightest impulse on the driving unit is instantly transmitted to the taut diaphragm.



Sensitive to All Audible Frequencies

Air-Chrome construction of two diaphragms—one for the low and one for the high frequencies—results in a sensitivity, a frequency response and a carrying capacity in undistorted volume that is a revelation in speaker design. They are suited to every kind of power output.

VOLUME!

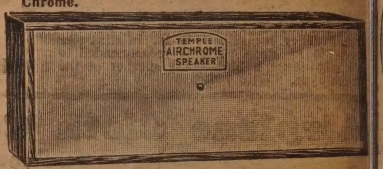
THE performance of the especially developed, powerful Temple double action unit accounts in no small measure for its tremendous carrying capacity—**for its enormous volume**—its brilliancy—its full response to all audible frequencies.

SENSITIVE

Air-Chrome construction makes possible the balanced tension principle of design whereby **the slightest impulse is carried on the driving unit** to the diaphragm without any loss. Lightness is combined with rigidity.

A SIZE TO FIT YOUR CONSOLE

Air-Chrome construction makes possible a wide range of sizes, one of which is sure to fit your cabinet or console. Each type regardless of size offers the same sensitivity, practically the same volume carrying capacity and the same wonderful tone quality and frequency range of the other models. **A new treat in tone quality and mellowness awaits you in your first Air-Chrome.**



FOR ANY CONSOLE CABINET

MODEL S
No. 8575. Size 9⅝x18⅝ in. Wt. 8½ lb.
Retail $20.00. YOUR PRICE ... **$11.76**

MODEL J
No. 8577. Size 24x24 in. Wt., 16 lbs.
Retail $25.00 YOUR PRICE **$14.70**

MODEL F
No. 8579. Size, 18x23 in. Wt., 8½ lb.
Retail $23.00 YOUR PRICE **$13.52**

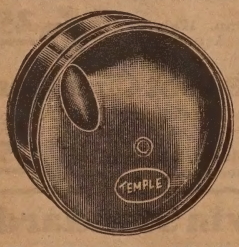
MODEL D GIANT SIZE
For Halls, Auditoriums
No. 8581. 30x36 in. Exceptionally large powerful unit for use in halls, large buildings, etc., where unusual volume is desired.
Wt., 15 lbs.
Retail $75.00 YOUR PRICE.. **$44.10**

MODEL R
No. 8576. Size 9x24 in. Wt., 8½ lb.
Retail $20.00. YOUR PRICE **$11.76**

MODEL K
No. 8578. Size, 14x14 in. Wt., 8½ lb.
Retail $20.00. YOUR PRICE **$11.76**

MODEL T
No. 8580. Size, 10x13 in. Wt., 8½ lb.
Retail $20.00. YOUR PRICE **$11.76**

TEMPLE'S NEW AIR COLUMN EXPO-HORNS



THE famous Temple Air Columns for use in console cabinets are now available in the new light weight construction. They offer all the advantages of the previous models which have made the name Temple a byword in quality reproduction—plus the advantage of being very light in weight, extremely rigid, free from internal vibration and of correct exponential design.

For Console Installation

Two sizes are offered of exceptionally compact design that readily lend themselves to console installation. Priced without unit.

No. 180-80 In. Air Column

Provides center line or column length of 80 in. 18 in. diameter. 11½ in. deep. Wt., 36 lbs.
No. 8582. List $24.00. YOUR PRICE **$14.11**

No. 150-60 In. Air Column

Provides center line or column length of 60 in. Measures 11½ in. in diameter, 7½ in. deep. Wt., 10 lbs.
No. 8542. Retail $14.00. YOUR PRICE **$6.95**

TEMPLE SPEAKER COMPARATORS

Designed for the use of the dealer who wants to compare speakers. This unit is so constructed that it permits the quick switching from one speaker to another without even the loss of a single note. Seven speakers may be attached and compared as desired. A wonderful seller. Wt., 8 oz.
No. 1178. Retail, $3.50. YOUR PRICE $2.06

Temple Air Chrome

MODEL 20

Responds in true realistic fashion to all of the notes of the audible range—from the lowest bass to the highest treble. Naturalness that leaves nothing to be desired.

Beautiful Design

Its genuine walnut frame, together with the leather effect of its sides, give it an eye appeal that is most pleasing—refined beauty in every line. The artistic grill work is strikingly attractive.

New Revolutionary Principle

An entirely new principle of speaker construction. Diaphragm so arranged that the larger front half is tuned to the lower frequencies and the smaller back half to the higher frequencies. Driven by the powerful Temple double action unit.

Volume Without Distortion

Due to the new principle of balanced tension construction the slightest impulse from the driving unit is carried to the diaphragm without any loss. Sturdy, rugged mechanical construction. Stands approximately 15 in. high, 11 in. wide and 5¼ in. deep. Shipping weight, 9½ lbs.
No. 8588. List, $29.00. YOUR PRICE $17.05

New Temple Dynamic

No. 8439. For 110 volt A.C.
No. 8440. 6 volt for battery sets.
List, $49.00. YOUR PRICE..... **$28.80**

New Temple Dynamic Speakers

The Very Latest Word in Musical Reproduction

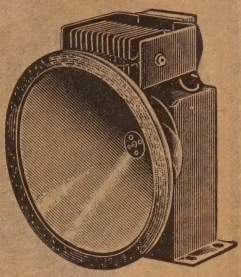
Covers all audible frequencies and has volume to spare. Small in size, beautiful in appearance. Amazing for its exceptional tone quality. Full round tone—full depth of timbre. Reproduces with unusual excellence.

Marvelous Tone—Great Power

In appearance the Temple Dynamic is individual. Its rich walnut panels are of graceful proportions and unusually pleasing. Its performance is astounding.

No. 8439. 110 v. A.C. model for use with battery or A.C. sets wherever 110 volt A.C. current is available.

No. 8440. 6 v. model for battery sets. List, $49.00 each. YOUR PRICE..... **$28.80**



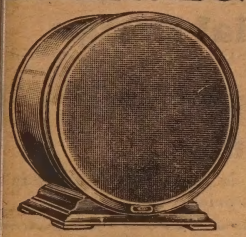
Temple Dynamic Chassis

The Temple dynamic speaker can also be obtained in chassis form for console installation. An unusually excellent reproducer at a startling low price. True reproduction of the full range of musical frequencies. Unsurpassed in performance.

No. 8044. 6 v. model for battery sets.

No. 8045. 110 v. A.C. model for battery or A.C. sets wherever 110 volt A.C. current is available.

List, $35.00. YOUR PRICE..... **$20.58**



New Temple Drum

Model 11

Realistic tone and tremendous volume. Its outward appearance makes it a masterpiece in artistry and dignified appearance.

54-Inch Centerline Air Column

The Model 11 Speaker contains a full 54-inch centerline measurement air column in a new light weight construction. **Measures 11¾ inches wide, 12¾ inches high, and 8¼ inches in depth.**

A Genuine Walnut Case

The beautiful finish will appeal to the most critical. **It is encased in genuine walnut** with sides of the same color in a beautiful grain leather effect with a beautiful silk back grill. Weight, 20 lbs.

No. 8583. Retail, $22.50. YOUR PRICE..... **$13.23**

Temple Air Column

MODEL 15

NEW IN PERFORMANCE

The new Temple Model 15 Air Column Speaker. A reproducer of advanced design. Its remarkable performance responding to all frequencies equally and handling an unusual capacity of volume that is astounding is really a revelation in speaker construction. Its tone is faultless. It reproduces all of the notes of the lower register and those of the higher treble clef as well, in a manner that actually brings the broadcast itself directly in the home.

Volume to Spare

Refined Beauty—Small in Size

From a standpoint of appearance the new Model 15 will impress everyone with its rich and pleasing beauty. It is truly a masterpiece of harmony in its artistic and dignified lines. It is encased in genuine walnut with sides of the same color in a beautiful grained leather effect. The grill work is graceful and artistic.

Lighter in weight and smaller than most air column speakers, yet it actually has a longer air column. The exponential horn measures 60 inches. It is scientifically designed. It is an acoustical masterpiece. Weight, 20 lbs.

No. 8584. List $29.00. YOUR PRICE..... **$17.05**

OPERADIO AIR COLUMN SPEAKERS

Genuine air column speakers of attractive design. Will satisfactorily handle the output of large receivers. Extremely sensitive and capable of tremendous volume without blast or distortion.

Tone - Volume. The remarkable tone of these speakers accounts for their great popularity with the trade. They cover the entire audible scale, bringing out the low notes with remarkable clarity.

JUNIOR

Height, 7 inches. Finished in two colors. Wt., 5 lbs.

No. 8585. Retail Price $15.00. YOUR PRICE.. **$8.82**

NEW SENIOR

Full 54 inches air column. Stands 12 inches high. Wt., 10 lbs.

No. 8586. Retail $25.00 YOUR PRICE .. **$14.70**

JENSEN DYNAMIC REPRODUCERS

Superior Reproduction

True fidelity of reproduction—reproduction true as the original and with the ability to create tremendous undistorted volume.

Full range reproduction from the deep throated zooming bass of a kettle-drum up through the entire musical scale to the highest treble note of a piccolo. Any radio receiver will sound better with a Jensen reproducer.

6 Volt Model

For use with all standard 6 volt sets. Shipping weight 26 lbs.

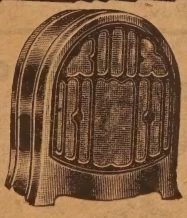
No. 8455. List Price, $55.00. NET **$32.34**

110 Volt AC Model

For use with all A.C. or D.C. sets, where 110 volt 50-60 cycle housing light current is available. Shipping weight, 30 lbs.

No. 8456. List Price, $70.00. NET..... **$41.16**

Operadio Westminster Speakers



The newest and finest in Operadio air column speakers. Embodies all that is new and beautiful in loud speaker design.

True Tone. Noted for its remarkable tone quality which will win for it a place in any home. Full 61-inch air column. Stands 15⅝ inches high. Beautiful design. Attractively finished. Wt., 8 lbs.

No. 8587. Retail $35.00. OUR PRICE TO YOU..... **$20.58**

Jensen Dynamic Chassis

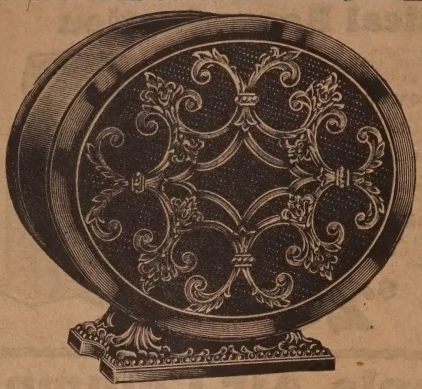
Jensen dynamic speakers are available in three types for console installation. In each the reproducing magnetism is identical. Dimensions 8½ in. deep over all, 10¾ in. height over all. Shipping weight, 22 lbs.

6 Volt Model
No. 8457. List, $40.00. NET..... **$23.52**

AC Model 110 Volt 50-60 Cycle AC
No. 8458. List, $55.00. NET..... **$32.34**

110 Volt DC Model
No. 8459. List, $43.00. NET..... **$25.28**

FEATURE PRICES SMASHED!



The New Air Column Drum

The Golden Voiced Speaker

THE tremendous popularity of the air column drum is due primarily to the tremendous power it can stand without rattling, to the faithful reproduction of the low notes, to its mellow tone and deep, vibrant, tonal delivery. Beautiful in appearance with the air column fully 8 inches in depth, 11 inches high and approximately 14 inches wide. Beautiful grill, all encased in a crystalline finished case, beautifully mounted.

No. 8563 List Price $25.00

YOUR PRICE $12.75

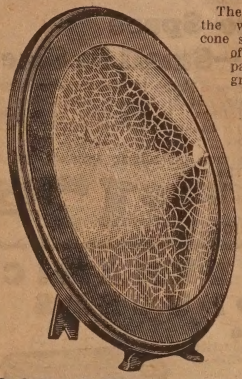
Correct Exponential Design

The unit used in this now famous CAMCO speaker is used in most of the famous drum speakers of the day. It is acoustically correct and delivers what is desired in reproduction. It is the proper speaker for either a 5, 6, 7 or 10-tube set where real reproduction and plenty of "kick" is desired. Wt., 12 lbs.

A Real Value

Drum Speaker, beautifully finished is priced right. It is a real value. Buy a sample. It will surprise you.

Camco Easel Cones



The illustration does not do justice to the wonderful appearance of this easel cone speaker. The cone material itself is of a beautiful alligator leatherette paper, which is mounted on a high grade mahogany, hand rubbed frame.

Finished so that all the natural beauty of the wood is retained. Easel permits its being inclined at any angle for improved reproduction. **The cone measures a full 16 in. in diameter.**

New Unit

Has a new type adjustable power unit having a large magnet and broad surface Apex attachment. Covers the full musical scale with wonderful tone quality. **A real value.** Wt., 9 lbs.

No. 8525. Retail, $12.50. YOUR PRICE.. $5.95

NAALD Midget Cone

Tiny Cone SPEAKER

A unique working model of a large sized cone speaker. Ideal for personal use when a large speaker would give too much volume or for operation late at night without causing disturbance.

A perfect cone speaker of splendid tone barely more than 6 in. in diameter. Excellent for the children or as an extension speaker for the bedroom, porch or sun parlor. Weight, 2 lbs.

No. 6218. List, $2.00. YOUR PRICE..... $1.18

Amplion Cone Chassis

Your Price $8.95

No. 8467 Retail Price $17.50

Super-sensitive. Tremendous carrying capacity without blast or distortion. Equipped with a genuine Burtex 9-inch cone noted for its ruggedness.

Improved Type Cone Unit

Improved unit and with laminated pole pieces. Accurately balanced. A Real "Buy." Wt., 5 lbs.

GENUINE ENSCO 3 ft. CONE—Now $6.75

Your Price $6.75

Build your own 3 ft. cone speaker. Complete parts for constructing marvelous speaker which faithfully reproduces with enormous volume. Includes new Ensco adjustable unit, wood brackets and all hardware with instructions. Packed complete. Wt., 5 lbs.

No. 8555.

Retail Price, $12.00.

Racon Dwarf Horn

Small horn type loudspeaker stands less than one foot high. The powerful reproducer of small dimensions. Splendid tone quality. Weighs only 1 lb. and is an ideal auxiliary speaker.

Its small size and compact design permits its use wherever space is limited. An unusually good reproducer for its size. Its efficiency has not been sacrificed. Unit is adjustable.

No. 8519. List $4.50. YOUR PRICE $2.20

Muter Marvelous Dynamics

A new dynamic power reproducer of unusually excellent quality. Superb in performance, lifelike and natural. Will impart to any receiver a greatly improved tone quality by reproducing accurately the many tonal frequencies to which the ordinary speaker does not respond. Magical reproduction.

A.C. Model

$30.85

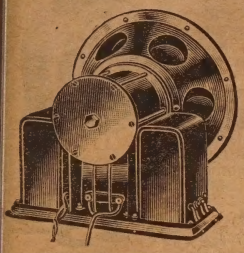


Table Model

The Muter table model cabinet is of solid walnut and of graceful and pleasing design that will harmonize with any setting.

110-Volt A.C. Type

Employs an advanced method of rectification for field coil current. Uses 280 tube for rectifying for quiet, continuous service. May be used with any A.C. or battery set wherever 110 volt 50-60 cycle current is available. Complete with cabinet but without tube.

No. 8005. List, $52.50. YOUR PRICE... **$30.85**

Requires one 280 or 380 Rectifier Tube.

6-Volt Type

No. 8006. For operation with any battery set employing six volt storage battery. List, $42.50. YOUR PRICE..... **$24.99**

Spinet Console

For those who consider the usual speaker external from the set unsightly, the console type Muter dynamic will particularly appeal. It is a separate piece of furniture in itself built of solid walnut, designed to occupy a minimum of floor space and to harmonize with the finest surroundings.

6-Volt Model

For operation with any battery set employing six volt storage battery.

No. 8011. List, $52.50. YOUR PRICE.. **$30.87**

110-Volt A.C. Model

Uses the 280 tube for use with any A.C. or battery set wherever 110 v. 50-60 cycle current is available.

No. 8014. List, $62.50. YOUR PRICE.. **$36.75**

Requires one 280 or 380 tube.

Muter Dynamic Chassis

6-Volt Model

Dynamic chassis only without cabinet. Adaptable for use by set builders and in console cabinets. The field and speaker input leads are brought out to a convenient terminal strip on the back of the unit. For operation with a six volt storage battery or an external trickle charger. May be operated at from 6 to 12 volts.

No. 8019. List $27.50. YOUR PRICE..... **$15.17**

110 Volt A.C. Type

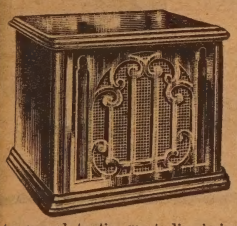
New Muter dynamic chassis employing 280 tube rectifier instead of the usual dry disc rectifier as is common in most A.C. dynamic speakers. This advanced method of rectification results in quiet operation and dependable service. For use with any battery or A.C. electric set wherever 110 volt 50-60 cycle current is available.

No. 8020. List, $37.50. without tube. YOUR PRICE..... **$22.05**

Requires one 280 or one 380 rectifier tube.

Newcombe-Hawley Reproducers

THE SEASON'S FEATURE LINE OF SPEAKERS



Dynamic Cone Speaker

Newcombe-Hawley's famous dynamic power speaker. Reproduces with exceptional tone quality and faithful recreation of tone shadiness which distinguishes good music and clear voice articulation. Reproduces with such fidelity that each orchestral instrument can be instantly recognized.

Radio's Finest Speaker

This wonderful dynamic speaker is furnished in a cabinet of beautifully grained walnut and finished to appeal to the most discriminating buyer. Its design will harmonize with all interior appointments. Height 12½ in., width 14½ in., depth 10¾ in. Shipping weight, 30 lbs.

6 Volt Battery Model

For use with all standard DC sets employing the use of a 6 volt storage battery. May be easily and quickly connected. Also may be used with DC sets with an "A" Eliminator.

No. 8590. List Price, $52.00. Less 40%, $31.20. Less 2% **$30.58**

A.C. Model

For use with any set, AC or DC, where the use of 110-115 volt, 60 cycle AC current is available. Simply connect to the set in the usual way and plug into the light socket.

No. 8591. List Price, $65.00. Less 40%, $39.00. Less 2% **$38.22**

DYNAMIC CONE CHASSIS

FOR CONSOLE INSTALLATION

The same dynamic power unit used in all of the new famous Newcombe-Hawley reproducers. Does not include baffle-board.

Specifications. Baffle rings 9⅛ in. DC model 6¼ in. deep by 9⅛ in. wide. AC model 6¾ in. deep by 11⅜ in. wide.

No. 8592. Type NH 6. For 6 volt DC model. For all standard sets. Ship. wt., 15 lbs. List, $35.00. Less 40%, $21.00. Less 2% **$20.58**

No. 8593. Type NH 7. For 100-200 volt DC model. Field magnet supply—100 to 200 volts, 40 to 80 mils. Used only with 110 volt DC line or with AC sets. Accommodates dynamic speaker. Ship. wt., 15 lbs. List Price, $40.00. Less 40%, $24.00. Less 2%..... **$23.52**

No. 8594. Type NH 9. For 110 volt AC model with step down transformer. Westinghouse rectifier may be plugged directly into the 110 volt 60 cycle AC line. Ship. wt., 20 lbs. List Price, $50.00. Less 40%, $30.00. Less 2%..... **$29.40**

Portable Cone Speakers

MAGNETIC TYPE

No. 8595. Meet the demand for a high quality loud speaker at a moderate cost. A strong, durable, permanent magnet and many unusual features make possible exceptional tone quality and a remarkable degree of volume.

Furnished in a beautiful walnut cabinet with cloth covered grill. Can be used with any radio set and requires no special amplifier for its operation. Ship. wt., 20 lbs. List Price, $28.00. Less 40%, $16.80. Less 2%..... **$16.46**

No. 8596. Magnetic Chassis Only. For console installation. Cone 9 in. Baffle-box height, 9¾ in.; width, 9¾ in.; depth, 6⅛ in. Ship. wt., 15 lbs. List Price, $18.00. Less 40%, $10.80. Less 2%..... **$10.58**

Newcombe-Hawley AIR COLUMN DRUM

A new, attractively designed air column reproducer. Metal case attractively finished in brown bronze. Extremely sensitive and has exceptional volume and clarity. No special power amplifier is necessary. Gives excellent results with any radio set.

56-in. Tone Travel

A true exponential drum reproduces the low as well as high notes. Genuine Nathaniel Baldwin Rival Unit. Ship. wt., 25 lbs.

No. 8597. List Price, $25.00. Less 40%, $15.00. Less 2%..... **$14.70**

THE NEW FARRAND SPEAKERS

Gothic Dynamic Speaker

Farrand—an unquestionable leader in the field of reproducer development, introduces their new power dynamic.

Blare Proof Design

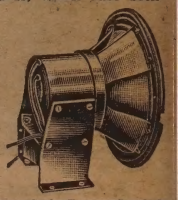
An entirely new degree of tone response is achieved with purity of reproduction unaffected by the most powerful volume. Handsome, two-tone walnut cabinet of classic Gothic design. Height, 11 in.; width, 11 in.; depth, 7½ in. Ship. wt., 20 lbs.

No. 8566. 6 volt battery model
No. 8567. 110 volt AC model
List Each, $55.00
NET **$32.34**

Dynamic Chassis

Farrand dynamic power cones may be installed in any console cabinet. Large field current and extra heavy magnet. Small and compact. Height, 9 in.; width, 8¾ in.; depth, 7 in.

Farrand Quality. Built to Farrand high standards, which have been responsible for Farrand world wide leadership. Superior tone quality. Wt., 15 lbs.



No. 8571. 6 Volt Type. For all storage battery sets.
List, $35.00. NET **$20.58**

No. 8572. 110 Volt DC Type. Used only with such AC sets designed to accommodate dynamic speakers.
List Price, $40.00. NET.... **$23.52**

No. 8573. 110 Volt AC Type. Adaptable to all AC, DC sets with 110 volts, 50-60 cycle AC current.
List Price, $45.00. NET.... **$26.46**

Gothic Magnetic Cone

No. 8568. Its exterior beauty is unequaled. Its reproductive performance is astounding. "Rose Window" grill in richly finished two-tone walnut. 12 in. in height. Shipping weight, 15 lbs.

List, $30.00.
NET **$17.64**

Farrand Panel

No. 8570. Finely finished two-tone walnut panels with rich silk screen.

Fashioned in a manner of a fine portrait frame. A beautifully finished panel, acts as a baffle for the natural reproducing cone speaker. Shipping weight, 15 lbs.
List Price, $18.00. NET.... **$10.58**

Jr. Clock Speaker

Uses the standard Farrand cone unit and bids fair to become the most popular reproducer in America. Handsome bronze finished metal cabinet, at an extremely moderate price. 10 in. high. Shipping weight, 12 lbs.

No. 8574.
List, $22.50. NET.... **$13.23**

Cone Chassis

No. 8569. An unusual small size cone reproducer of unlimited tone capacity and volume. Mounted and housed in a wood sounding chamber. Size, 9¼x9¼x6½. Shipping weight, 8 lbs.

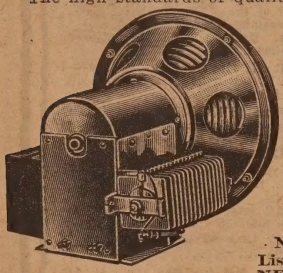
List, $18.00. NET..... **$10.58**

New O'NEIL Dynamic

The wonderful tone quality and wide frequency range of the new O'Neil Dynamic Speaker Chassis coupled with its rigid construction and fool-proof design makes it ideal for use as a replacement unit in consoles equipped with old style speakers. The popularity of the Dynamic Speaker and its wonderful reputation for its close approach to reality in reproduction assures for it a ready sale.

For Console Installation

The high standards of quality for which O'Neil speakers are known reaches a new height of perfection in these Dynamic Speakers. Designed to operate on 110-120 volts, 50-60 cycle alternating current they are the ideal companion to the new A-C operated receivers. Priced far below actual value they are offered to Allied dealers for use as a sales leader.



No. 8201.
List, $60.00.
NET **$21.70**

O'Neil Ship Speakers

Illuminated Ship

Equipped with a new O'Neil super unit incorporating new remarkable features. Extremely heavy magnet encased in a cast non-magnetic housing. Has transparent enclosure protecting the unit and all actuating parts, insuring its long life under practically all conditions. Perfect reproduction, full volume. Base treble and overtone are brought forth with remarkable fidelity.

Sunset Effect

A beautiful oval frame. The ship is finished in antique bronze and illuminated with two concealed lamps effecting a beautiful sensitive and low illumination. A speaker and lamp in one, which will beautify any home. Equipped with lamps and phone cords. Shipping weight, 12 lbs.

No. 8454. List Price, $25.00. YOUR PRICE **$14.70**

Western Electric Cone New 560 AW

New Western Electric 560-AW loud speaker. Latest Western Electric 24 in. cone speaker. Western Electric cone speaker telephone is nationally reputed for quality reproduction.

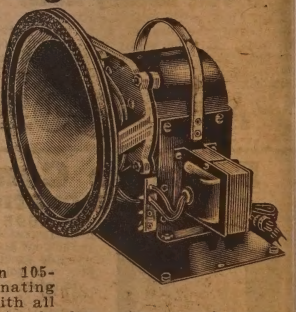
Real Tone Quality

Few speakers compare with this exceptional reproducer. True, natural, faithful reproduction of the full musical scale. The new Western Electric as well as being a highly efficient speaker is attractive in appearance with its colorful stenciled design. The new speaker covers even a greater length of frequencies than its famous predecessors. Wt., 18 lbs.

No. 8453. List, $35.00.
YOUR NET PRICE..... **$**

Oxford Dynamic

The Oxford Dynamic Speakers are blazing a new trail in perfection of tonal reproduction. Their volume carrying capacity is tremendous. Custom built to assure a high-standard of quality. They feature a new type of construction that practically eliminates all hum resulting in a purity and mellowness of tone that is the instant delight of all who hear it.



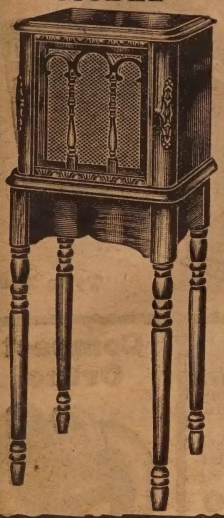
110 Volt-AC Type

Designed for operation on 105-120 volt, 50-60 cycle alternating current. Simple to install with all present types of receivers. At the low price quoted everybody should avail themselves with the wonderful tone of the Dynamic Speaker. Furnished complete with speaker, cord, and six foot electric cord with two piece separable plug. A real value.

No. 8202. List Price, $60.00. NET.... **$21.70**

Power Dynamic 50% Off

SPINET CONSOLE MODEL



A Stupendous Value

A nationally known dynamic power reproducer installed in the most beautiful, gracefully proportioned cabinets ever before offered. The cabinet is substantially constructed of solid walnut, finely rubbed and finished. Handsome and graceful. Will harmonize with the finest furniture.

Powerful—Marvelous Tone

Beautiful, lifelike and realistic. This reproducer will transform the average radio set from a mediocre receiver to an instrument of beauty, bringing forth the full depth and resonance of music with thrilling reality. You will marvel at its exceptional performance, its perfect tone and majestic timbre. Will handle unusual volume without chattering.

SPINET MODEL

A console reproducer built of solid walnut and designed to harmonize with any setting. A separate piece of furniture, finely designed and solidly constructed.

6 Volt Type

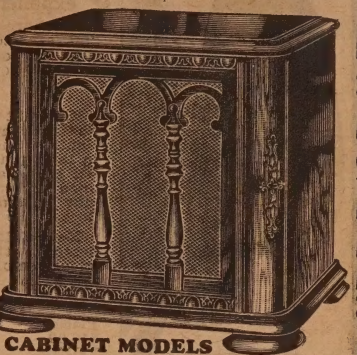
Spinet model equipped with 6 volt dynamic unit for any battery set employing a six volt storage battery.

No. 8021. List Price $65.00.
YOUR PRICE..... $29.75

110 Volt A. C. Spinet Model

For use with any A.C. or battery set wherever 110 volt 50-60 cycle current is available.

No. 8022. List $75.00.
YOUR PRICE..... $34.85



CABINET MODELS

Designed attractively. Graceful lines, substantially constructed. Provides excellent baffle.

6 Volt Type

For all battery sets employing 6 volt storage battery.

No. 8023. List $50.00.
YOUR PRICE..... $23.95

110 Volt A. C. Model

For all A.C. electric or battery sets wherever 50-60 cycle current is available.

No. 8027. List $65.00.
YOUR PRICE..... $28.95

Prices Reduced on Famous Magnavox Dynamic Speakers

A table type speaker in an attractive two tone brushed walnut cabinet of graceful contour. Made under Magnavox exclusive patents. Acknowledged as the only type of speaker construction capable of accurate radio reproduction. Natural, enjoyable music or speech from a low whisper to a volume far in excess of normal home requirements—all without distortion.

Magnavox Quality Throughout. Beautiful cabinet stands 12½ in. high. 18 in. wide and 9 in. deep. Furnished complete with cords and plug.

No. 8461. Model 61. For six volt operation from storage battery. Wt., 22 lbs.
Retail, $50.00.
YOUR PRICE
$29.40

No. 8462. Model 71. For 110v. D.C. operation. Wt., 20 lbs.
Retail, $50.00.
YOUR PRICE
$29.40

No. 8463. Model 801. For 110v. 60 cycle A.C. operation. Wt., 25 lbs.
Retail, $60.00.
YOUR PRICE
$35.28

MAGNAVOX Dynamic Chassis

Your old console fitted with a Magnavox chassis becomes a new modern unit capable of unusual reproduction. The chassis is simple to install and comes to you complete with all instructions.

No. 8464. Model 6. For six volt storage battery operation. Wt., 16 lbs.
Retail, $30.00.
YOUR PRICE
$17.64

No. 8465. Model 7. For 110v. D.C. operation. Wt., 15 lbs.
Retail, $30.00.
YOUR PRICE
$17.64

No. 8466. Model 80. For 110v. 60 cycle A.C. operation. Wt., 18 lbs.
Retail, $40.00.
YOUR PRICE
$23.52

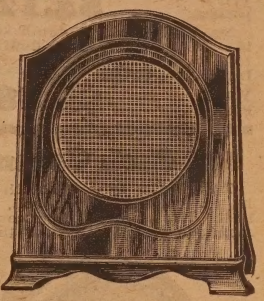
Panel Speaker

THE VERY LATEST MODEL

Below Cost!

A $35.00 Value!

Now! $8.75



IN OFFERING this speaker as our special, we feel we have set a new standard for real quality reproduction in a magnetic cone speaker. It delivers the volume, tone quality, and faithful reproduction with a powerful "kick" such as has yet to be reproduced in magnetic speakers of the day.

Beautiful Two Tone Walnut

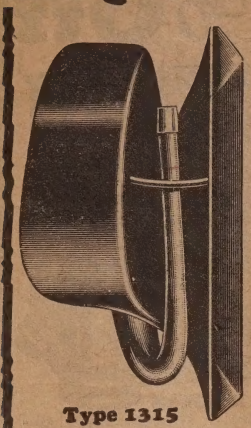
Beautifully shaded two-tone walnut panel, resting as an easel with the speaker behind it, rendering a real beautiful quality tone speaker, more beautiful than ever. The speaker cone is of the new balance type cone manufactured by a nationally known manufacturer.

Perfect Tone—No Rattle

This speaker renders a perfect tone quality and will stand a tremendous pressure of volume and voltage. Specially designed for 6, 7, 8, or 10 tube sets with big volume and almost dynamic delivery. Shipping weight, 8 lbs.

No. 8460
List Price, $35.00
YOUR PRICE $8.75

Exponential Tone Chambers



Type 1315

JUST so long as good musical reproduction is desired, just so long as the low bass notes with all overtunes are pleasing to the ear, just so long will the exponential air column horns be in vogue.

All horns shown on this page give uniform performance and are acoustically correct. There are no muffled nor jumbled tones, no distortion, but full smooth round quality reproduction.

Material Construction

The material used in the construction of the air columns on this page is a special fibre that is practically vibrationless and is very durable. These horns are arranged to take practically all standard units and are well finished. All horns are uniform, light in weight, pleasing in appearance and are easily mounted into any console cabinet or may be individually used. The longer the air column, the deeper the tone and the better the quality.

No. 8485. The air column listed to the left has a 104 in. air column with a bell of 18x24 in., depth 13 in., wt. 8 lbs.
List Price $16.00. YOUR PRICE **$9.42**

No. 8484. The type 200 pictured on the right has a 92 in. air column, 18 in bell, depth 13½ in., wt. 5 lbs.
List Price $15.00. YOUR PRICE **$7.80**

Type 200

Console Model

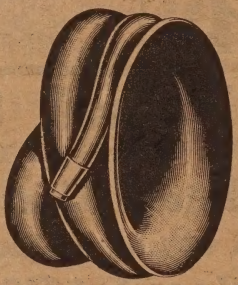
Designed especially for console cabinets. Vastly superior to ordinary manufacturers' wooden horns.

No. 8599. Air column 60 in., Bell 6x15 in., depth 10½ in. Wt. 3 lbs.
List Price $7.00. YOUR PRICE **$4.12**

No. 8600. Air Column 80 in., bell 14x18½ in., depth 13½ in. Wt. 4 lbs.
List Price, $10.00. YOUR PRICE **$5.88**

Orthophonic Horns

The famous orthophonic type horn. Wonderful tone quality. Used in either radio set or phonograph. The most wonderful air column speaker obtainable on the market today. Shown in all sizes.



No. 8486. Special 66 in. air column type No. 309. Small space and the size of ordinary drum speaker. 11 in. round. Weight 3½ lbs.
List Price $8.00. YOUR PRICE **$4.50**

No. 8487. As pictured here—type 100—84 in. air column, 14 in. round bell, 9 in. deep. Wt. 4 lbs.
List Price $11.00. YOUR PRICE **$6.45**

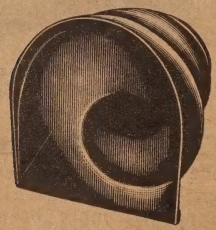
No. 8488. This is type 101 as shown here with a 72 in. air column, 12 in. round bell, 9 in. depth. Wt. 4 lbs.
List Price $10.00. YOUR PRICE **$5.50**

Compact Ortho

A compact air column. Length 48 in bell 10 in. round depth 8 in. Wt. 2 lbs.
No. 8589. List **Price $5.00. YOUR PRICE** **$3.00**

120-Inch Column

This is the type 300 with a 120 in. air column, 18 in. bell, depth 13 in. Wonderful reproducer. Tremendous volume. Wt., 8 lbs.



No. 8564.
List Price $18.00. YOUR PRICE..... **$10.60**

Highboy Speaker

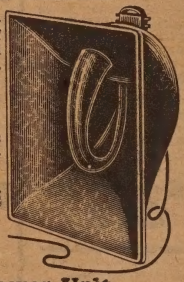
With a good unit, this 45 in. air column is wonderful. Bell 6½x20 in. depth 12½ in. Wt., 3 lbs.

No. 8559.
List Price $5.00 YOUR PRICE **$2.94**

Public Address Horn

12½ Ft. Air Column

Exponential air column for all forms of public address and theatre installation. Ideal for auditoriums, dance halls, theatres, hotels and restaurants. Size of bell 30x45 in. Depth 31 in. Requires dynamic unit for efficient operation.



No. 8040. List, $125.00. YOUR PRICE **$60.00**

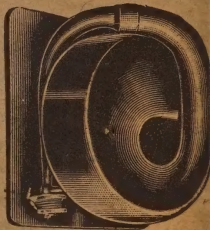
Dynamic Power Unit

Power unit for public address horn. Requires 6 to 12 volt storage battery for field current supply. Tremendous power. Will handle up to 4 250 power tubes.

No. 8041. List with coupling transformer, $150.00. **YOUR PRICE**..... **$65.00**

Newcombe-Hawley

This is the Newcombe Hawley air column reproducer. Remarkable reproduction of low and high notes. Sold with a genuine Nathaniel Baldwin Rival Unit. Does not require power amplifier. 86 in air column. Can be installed in most any cabinet. Height 24 in.; width, 19 in.; depth, 14 in. Shipping weight, 25 lbs.

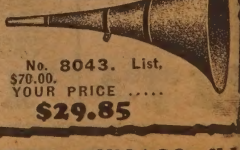


No. 8598. List Price, $25.00. **YOUR PRICE**..... **$14.70**

Public Address Trumpet

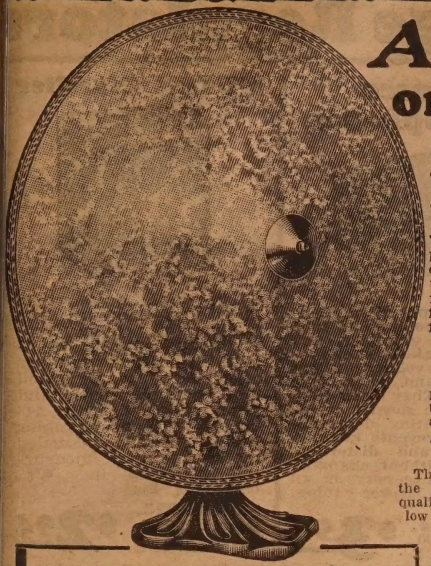
Used in parallel for speaking and popular entertainment. An exponential throat of correct design, the most satisfactory type to use where mounting space is available. Will throw the human voice a mile or more. Uses any power unit. Trumpet only. Hanging hook included. 22-in. Bell, 42 in. long. Net weight, 3½ lbs. Shpg. wt., 25 lbs.
No. 8042. List, $20.00. NET..... **$9.95**

6-Foot Trumpet



No. 8043. List, $70.00. **YOUR PRICE** .....
$29.85

Another Reduction! on the Famous Symphonic 16" Free Edge Cone



HERE is a speaker of marvelous tone quality—beautiful design—tremendous volume. An amazing value built to retail for not less than $9.50 offered to our dealers at the ridiculously low price quoted below. This remarkable new speaker is of genuine free edge cone construction scientifically designed. The highly sensitive unit with its oversized heavy magnet responds to the slightest impulse, **faithfully reproducing the voice and orchestra from a whisper to the full blare of a brass band.** Will not rattle or chatter at the higher frequencies.

A Low Price Cost Plus Speaker

Our tremendous cash buying has resulted in this exceptionally low price. Our policy of passing these savings along to our dealers is just one of the many ways that we help our dealers to success. **The quality has in no way been overlooked** and we recommend this speaker as a feature item for your volume sales.

The Tone Quality Will Delight You

The oversized, powerful unit has an adjustable feature enabling you to match it to the output of your receiver. **It is almost impossible to overload this unit.** Its tone quality over the entire scale is comparable to speakers selling at many times more than the low price we ask.

Adjustable New Unit

The adjustable feature of these units readily adapts them to any receiver. It is possible to change the pitch to meet the individual taste of your customers desiring either a low or higher pitched speaker.

Remarkable Low Price

Do not confuse the exceptionally low price of the speaker with its quality. They are the product of a reputable manufacturer and are built to exacting specifications. **You will not believe your eyes** when you open the carton and bring forth this remarkable value. Wt., 5 lbs.

A Regular $9.50 Value

No. 8529 Your Price $3.25

New 20" Cone

Here you are offered a large, superbly designed 20 in. free edge cone. It has the same wonderful tone quality as the 16 in. Symphonic above. It carries a trifle more volume while its added eye value makes a ready market among your customers. Wt., 7 lbs.

No. 8530. Retail $15.00. YOUR PRICE $5.25

Just One of Our Many Values

Thousands of dealers throughout the country eagerly await our special offerings of this nature. You are urged to feature these items and run them in your sales.

American Bell Quality Headphones

$1.10

Here is a super value for the DX fan. Well designed, unusually sensitive headphones built with genuine molded caps and aluminum molded shells. Adjustable. Reproduce music and voice with exceptional clarity.

For DX Tuning

For extreme long distance reception a pair of these headphones will prove indispensable. Their unusual sensitivity enables you to hear stations that you cannot receive through your loud speaker.

Built to a Laboratory Standard

American Bell Quality Headphones are the product of one of America's foremost laboratories, carefully engineered for super-sensitivity and soft mellow tone. Users of crystal sets will find them a necessary accessory to their equipment. Wt., 2 lbs.

2000 ohms. No. 6501. Retail, $2.50. **$1.10**

3000 ohms. No. 6502. Retail, $3.50. **$1.39**

Baldwin Phones

Backed by the wonderful reputation of Baldwin for quality products. Their supersensitiveness will enable you to hear stations you never heard before. The diaphragm of genuine mica adds to their sensitivity and improvement of tone quality. The DX fan and the crystal set user will find them indispensable. Wt. 2 lbs.

No. 6506. Retail, $9.00. YOUR PRICE.... $4.95

Frost Phones

These phones incorporate several superior features which add greatly to their efficiency of reproduction, namely increased width of the diaphragm seat to give better reproduction; an aluminum tone plate under the diaphragm which acts like a sound board and the new permanent magnet capable of better retentivity. Wt., 2 lbs.

No. 6507. 2000 ohms. Retail, $3.00. YOUR PRICE..... **$1.76**

No. 6508. 3000 ohms. Aluminum shells. Retail, $3.50. YOUR PRICE..... **$2.06**

No. 6509. 3200 ohms. Bakelite shells. Retail, $6.00. YOUR PRICE..... **$3.53**

Ekko Adapters

Adapt loud speaker units to any type of phonograph. Wt., 6 oz.

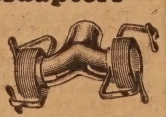
No. 6503. Ekko No. 1 for Edison phonograph. YOUR PRICE **17c**

No. 6504. Ekko No. 3 for Columbia, Pathe and Jewell style tone arms. YOUR PRICE..... **14c**

No. 6505. Ekko No. 4 for Brunswick phonograph. YOUR PRICE **20c**

Ekko Phone Adapters

Adapt phones for loud speaker or phonograph operation. Wt., 1 lb.



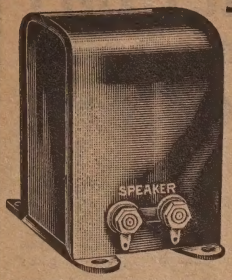
No. 6513. Single Adapter. Retail, $1.00. YOUR PRICE..... **59c**

No. 6514. Double Adapter. Retail, $2.00. YOUR PRICE **$1.27**

RUBBER ADAPTER

A 2 in. flexible rubber tube for adapting unit of loud speaker to any type of phonograph. **No. 6526.** Retail, 10c. YOUR PRICE..... **5c**

Tone Filters—Voltage Regulators



Knight Tone Filter

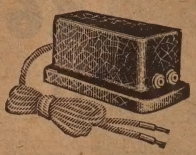
Used between last power tube and speaker of set. Improves tone quality. Eliminates chattering. Designed to match the output impedance of power tubes.

For All Sets Using Power Tubes

On all sets employing power tubes for audio amplification, the output filter protects the loud speaker windings from the high voltage of power amplification. They eliminate chatter and blast from the speaker. Attractively finished. Wt., 2 lbs.

No. 3004. List $5.00.
YOUR PRICE **$1.40**

Amsco Orthophones



A new output filter. Connects between the last tube of receiver amplifier, and the loud speaker. They provide greater volume without distortion, and better tone qualities. They keep high voltage from speaker windings, preventing demagnetization. **Prevents rattling, chattering and distortion.** Connects without changing wiring. A necessity on all sets using power tubes. Wt., 3 lbs.

No. 2024. Retail, $6.00. YOUR PRICE **$3.53**

MUTER Clarifier

The high grade tone filter that improves tone quality and volume. Protects loud speaker windings from high voltages of power tubes. Equipped with binding posts, and phone cord. Easily attached without changing wiring. Highly enameled metal container, measuring 4x3¼x2⅝ in. Wt., each, 3¼ lbs.

No. 2023. Retail, $5.00. YOUR PRICE **$2.94**

Beede A. C. Voltage Control

For reducing excessive line voltages to proper operating value for the new A.C. sets. Equipped with an accurate A.C. voltmeter and power rheostat mounted in an attractive bakelite case. A well made, expertly designed and moderately priced unit. Wt., 5 lbs.

No. 1996. Retail, $8.00. YOUR PRICE **$4.70**

Sterling Power Output Transformer

Protects loud speaker from high voltage used with power tubes. Improves tone quality. Can be instantly connected to any set.

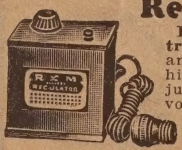
No. 2106. Retail, $5.00. YOUR PRICE..... **$2.94**

Resistovolt Voltage Regulator

Protects A.C. electric sets from line surges and excess voltages. Prevents tubes and other parts from burning out. A.C. sets in general are designed to operate at 110 volts but in many cities the normal line voltage runs from 112 to 125 volts. Resistovolt maintains the voltage constant at 110. The new deluxe model is encased in a perforated nickel plated tube.

No. 2020. List, $1.75. YOUR PRICE.... **$1.03**

R-B-M Voltage Regulator



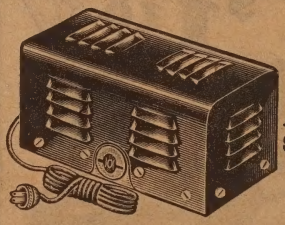
For all A.C. Electric Sets. Enables anyone to operate his electric set at just the proper voltage at all times under all line voltage conditions.

Reduces high voltage, raises low

Consists of special transformer and adjustable switch and provided with buzzer to indicate just when the proper 110 volts is reached. Reduces excessive voltage or steps up low voltage. Instantly installed.

No. 2001. YOUR PRICE List $10.00. **$5.88**

Automatic Line Voltage Regulator



For all A.C. Sets

Strictly Automatic

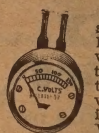
Compensates for variations in the 110 volts A.C. light line. Entirely automatic—keeps A.C. current down to 110 volts under all conditions of line surge and fluctuations.

No Rheostats or Tubes

This regulator employs no rheostats nor tubes and automatically regulates itself, delivering an even flow of 110 volt A.C. current. The Potentialator is strictly automatic. Longer life to your tubes assured. Size, 4x7⅝x4 in. Wt., 10 lbs.

No. 2000. List, $15.00. YOUR PRICE **$8.40**

Beede AC Line Tester



A compact, specially designed for checking the line voltage on A.C. sets when plugged into any electric light socket or receptacle. Scale reads 0-150 volts. Tells if line voltage is constant. A real value. Wt. 1½ lbs.

No. 2160. Type 75 Line Voltage Tester. Retail, $3.00. YOUR PRICE **$1.76**

Metered Voltage Regulator

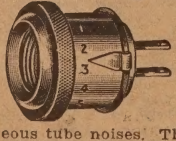
For reducing excessive line voltages to proper operating voltages for all electric sets. Accurate A.C. meter for power rheostat mounted in bakelite case. Attractive appearance, very well made and priced far below its value.

Save Your Tubes

With the meter and the rheostat it is possible for you to regulate the current exactly where it should be regardless of your line current. This will save your tubes. Wt., 3 lbs.

No. 1998 List Price $6.50 YOUR PRICE **$3.82**

Wirt A.C. Voltage Regulator

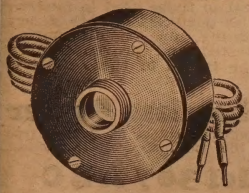


This is made especially for use with all the latest types of A.C. operated radio receiving sets. Saves tubes and eliminates extraneous tube noises. This unit is different than the rest of the regulators in that it plugs into the wall socket and the cord from the set plugs into it. Five taps for regulation. A very fine product of Wirt. Wt., 12 oz.

No. 1999. List Price, $2.25. YOUR PRICE..... **$1.32**

Astounding Unit Values

BALANCED ARMATURE UNIT



THE balanced armature type unit is known as the one capable of the most volume without chattering. The unit we offer here is one of the balanced armature type, well constructed, completely shielded. Completely encased and really a unit worth a $12.00 list price.

SUPER SENSITIVE

This unit is extremely sensitive. Will produce a very fine tone quality and will deliver tremendous volume. It is well worth while and it is because of a large "buy" that we are in position to offer it.

PRICED BELOW VALUE

The low notes and high notes are faithfully reproduced in clear liquid natural tones. Will handle up to 700 volts. The price we offer this unit at is ridiculously low based on its list value.

Ship. wt., 2 lbs.
No. 6538. List $8.00 Your Price **$1.59**

TEMPLE DOUBLE ACTION UNIT

Each and every part has been designed and matched to every other part; resulting in a master piece. Most rigid tests and supervision, plus the air-gap construction, gives a total freedom from chattering under enormous volume. One of the most dependable powerful quality speaker units available. Wt., 2 lbs.

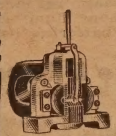
No. 6539. Retail, $6.00. YOUR PRICE..... **$3.53**

FIDELITY UNITS HALF PRICE

A carefully and sturdily constructed loud speaker unit. Diaphragm of special alloy, light as aluminum but with five times its tensile strength, assuring elimination of vibration and long life. Wt., 3 lbs.

No. 6553. List, $6.00. YOUR PRICE.... **$2.98**

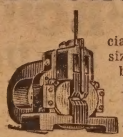
BBL Speaker Motor



A new and original Cone Speaker Unit, reproducing the broadest voice and music throughout the entire frequency range. Tremendous volume without blasting due to magnetic saturation. A quality motor throughout. Wt. 3 lbs.

No. 6542. Retail, $7.50. YOUR PRICE..... **$4.40**

Brielle BA Motor



This famous motor is especially for cone speakers. Large size permanent magnet and broad pole face and armature provides maximum action and sensitivity. Laminated pole pieces. Wt. 3 lbs.

No. 6540. Retail, $10.00. YOUR PRICE... **$5.88**

Baldwin Prices Slashed

50% Off on Baldwin Rival

No. 6519. Rival Unit, Unshielded. Wt., 2 lbs. List Price $6.50. YOUR PRICE **$3.25**

No. 6520. Rival Model, Shielded. Wt. 2 lbs. List Price $7.00. YOUR PRICE..... **$3.50**

Baldwin Concert Units

These are the finest units Baldwin makes.

No. 6549. Baldwin Concert. Wt. 2 lbs. List Price, $10.00. YOUR PRICE **$5.25**

No. 6550. Baldwin Concert Grand. Wt. 2 lbs. List Price, $12.00. YOUR PRICE **$6.85**

No. 6548. Standard Unshielded Unit. Wt. 2 lbs. List Price, $6.00. YOUR PRICE..... **$3.05**

Baldwin Phono Units—60% Off

PRICES slashed on genuine Nathaniel Baldwin Phono Units. A large purchase of thousands of these units enables us to offer them at **better than 60% off regular retail list price.**

Big heavy magnets—large coils. Sensitive. Will carry tremendous volume.

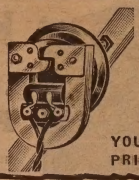
Phono units have unthreaded stems to which suitable adapters may be attached to fit the tone arms of any phonograph. **Use the scientifically designed air column in your phonograph with Baldwin Phono Unit for superior reproduction.**

Completely shielded and covered with attractive black imitation leather. **The biggest buy of the year.**

No. 6521. Baldwin Phono Unit. Wt., 2 lbs. **Retail List, $7.00.** YOUR PRICE **$2.45**

No. 6522. Phono Unit with Pedestal. Wt., 2½ lbs. **Retail List, $8.00.** YOUR PRICE **$2.95**

Utah Piano Units



Converts your Piano into a high grade radio reproducer. Easily attached to the sound board. Produces natural mellow tone quality with ample volume. Complete with 25 ft. cord. Wt. 3 lbs.

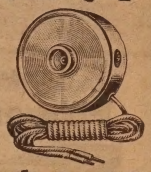
No. 6530. Retail $10.00 YOUR PRICE ... **$5.88**

Utah Standard Units

With a new diaphragm design and tripod arrangement, faithfulness in reproduction is obtained. Highly nickel plated case. Wt. 3 lbs.

No. 6543. Retail, $5.00. YOUR PRICE... **$2.94**

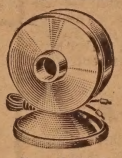
Utah DeLuxe



New oversize unit. Has an enviable reputation for tone quality and volume. Ideal for air-column horn. Wt. 3 lbs.

No. 6544. Retail, $7.50. YOUR PRICE.... **$4.41**

Utah Phono-Units



Standard unit arranged for phonograph. Will give satisfactory service with any phonograph. Wt. 3 lbs.

No. 6545. With Stand. Retail, $8.00. YOUR PRICE **$4.70**

No. 6546. Without Stand. Retail, $7.50. YOUR PRICE..... **$4.41**

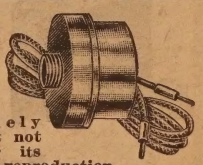
Utah Big Chief Units

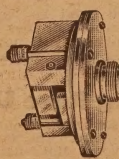
A high grade Utah unit designed especially for Console installation, and as a replacement unit in existing speakers. Attractively finished in nickel. Equipped with 5 ft. cord. Highly recommended. Wt. 2 lbs.

No. 6547. Retail, $3.50. YOUR PRICE.... **$2.06**

60% Off Baldwin Type H and C Units

BALDWIN units are carefully made, adjusted and tested, widely imitated but not excelled for its faithful reproduction.



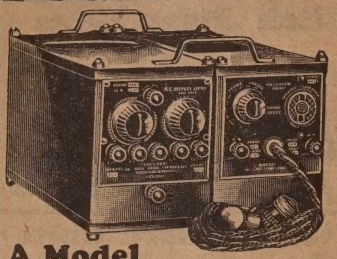


No. 6518. Type H-1, Unshielded. Wt. 2 lbs. List Price $5.00. YOUR PRICE **$1.69**

No. 6517. Type H-2, Completely Shielded. Wt. 2 lbs. List Price, $6.00. YOUR PRICE **$1.89**

No. 6516. Type C Unit. Wt. 2 lbs. List Price, $5.00. YOUR PRICE..... **$1.65**

Famous Kuprox Power Units



A Model for Every Receiver

The name Kodel has been synonymous with efficiently designed power units since the early days of Radio. You can't go wrong with a Kodel power unit.

Kuprox ABC Power Packs

KUPROX combination ABC Power Packs are identical to those used in modern A.C. receivers except that the "A" portion supplies perfectly smooth direct filament current instead of the rapidly fluctuating, uneven alternating current. This permits the use of standard, time-tested and proven battery type of tubes such as the UX 201A, UX 222, etc. The B end of these units is of rugged and powerful design and construction.

Provide Constant, Carefree, Humless Power

The "A" section has a genuine Kuprox rectifying unit with sufficient output for 8 201A type tubes. The Kuprox drydisc rectifiers are noted for their long life and fool-proof construction.

Model 306 ABC

Consists of standard Model 302A and 310 B.C. Power Packs. Capacity 8 tubes at "A" 6 volts. "B" voltages are 45, 67½, 90 and 135 volts and "C" voltages of 4 and 10 volts are provided. Size 10¼ x7x12⅛ in.

No. 8081. Retail $65.00. YOUR PRICE $38.22

Model 307 ABC

Consists of standard Model 302A and 316 B.C. Power Packs. Capacity 8 tubes at "A" 6 volts. "B" voltages are 45, 67½, 90 and 180 volts. "C" voltages of 4 and 45 volts are provided for use of type 171 power tube. Size 10¼x7x12⅛ in.

No. 8082. Retail $67.50. YOUR PRICE $39.69

Kuprox "A" Power Packs

A practical, thoroughly dependable type of "A" battery eliminator employing the new Kuprox drydisc rectifiers. Insures perfect filtering and the elimination of all hum. Has automatic control switch for B eliminator.

Model 302-A

Capacity 8 UX 201A or other similar tubes. Connects to the set same as a battery. No rewiring necessary. Capacity 2¼ amperes. Measures 5⅛ x 7 x 12⅛ in. Priced complete.

No. 8084. Retail $35.00. YOUR PRICE $20.58

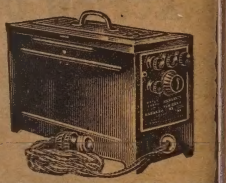
Model 301-A

Use with sets employing UX 199 or other .06 amp. 3-4 volt tubes. Capacity 10 tubes or one ampere. Size 5⅛x4¾x12⅛ in. long. Price complete.

No. 8085. Retail $32.50. YOUR PRICE $19.11

Kuprox "B" Eliminator—Model 361B

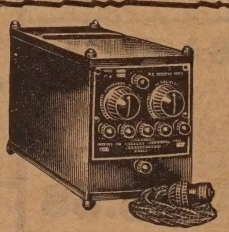
Meets the demand for a small, yet highly efficient B eliminator. Operates without hum—gives greater volume and sweeter tone than batteries. Once installed requires no further attention.



For Sets Up to 6 Tubes

Supplies B current only up to 35 M.A. at 45-90 and 180 volts. Unaffected by line voltage and frequency variations. Requires UX 280 type rectifier tube, not included. Measures 4x11x7¼ in.

No. 8083. Retail $26.50. YOUR PRICE $15.58



Kuprox "BC" Power Units

For Use with Large Sets

These power units are designed for large sets with UX 112 or 171 power tube equipment. They provide powerful, humless, dependable current. Equipped with separate adjustment for detector voltage output, they are the ideal power pack for use on all large receiving sets equipped with power tubes of the 112 and 171 type.

Model 310 BC

Supplies 22, 45, 67½, 90 and 135 volts B together with 4 and 10 volts C current. Measures 5⅛x7x12⅛ in. long. Uses 280 type full wave rectifying tube. Tube not included.

No. 8086. Retail $35.00. YOUR PRICE $20.58

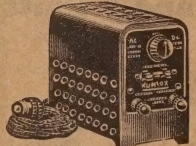
Model 316 BC

Supplies 22, 45, 67½, 90 and 180 volts B together with 4 and 45 volts C current. Measures 5⅛x7x12⅛ in. Requires UX 280 full wave rectifying tube. Tube not included.

No. 8087. Retail $37.50. YOUR PRICE $22.05

Kuprox Multi-Rate Rectifier

Dry Trickle Charger



A high grade trickle charger with a variable charging rate. Ideal for trickle charging of radio and auto batteries—operating dynamic loudspeakers—supplying radio filament current, etc. Provides for any charging rate between .25 and 1 ampere on 3, 4 or 6 volt batteries.

Has Many Uses

This charger can be used for any purpose requiring direct current of one ampere or less at six volts. Contains no bulbs, vibrators or other frail parts. Provides a maximum 1-ampere charging rate constantly regardless of the number of hours in service.

Any Charging Rate Up to 1 Amp.

You control the charging rate by a turn of the knob to the exact rate you require. This is an exclusive feature of the Kuprox Multi-Rate Trickle Charger. Size 3½x6x7 in.

No. 8088. Retail $11.50. YOUR PRICE $6.76

Kuprox Replacement Units

Kuprox drydisc rectifiers made up in standard units for replacing electrolytic jars, rectifying bulbs, etc. are now available. They provide perfect, smooth rectification without service or care of any nature.

Type A-110. For use on Balkite type K, Silite and Vesta trickle chargers. Provide full wave rectification and .5—.8 ampere charging rate. Last indefinitely.

Type AR-3. For use on Philco socket powers, Gould unipowers, Unitron, Exide, Willard, Eagle, G & G, Johnson, etc. Full instructions are supplied with each unit.

Type CR-1. Replaces Tungar 1 amp. (small) bulbs on the following power units—Tungar 1 amp. trickle chargers and all bulb types of Philco socket powers, Willard socket powers and Exide socket powers.

Type RG. Used as a replacement unit on vibrating battery chargers of the 6 volt type such as the Homecharger, Star, Valley, France, Sterling, Apco, Fore, Holmes, Interstage, Simplex, King, Full Wave, Niles, etc. Provide maximum charging rate of 1 amp. Noiseless in operation.

No. 8092. Type A-110
No 8093. Type AR-3
No. 8094. Type CR-1
No. 8095. Type RG

Retail $5.00 YOUR PRICE $2.94

Record Smashing Values!

FOR ALL SETS
NO LIQUIDS
NO HUM
AMPLE POWER
ATTRACTIVE
FOOL PROOF
PRICED RIGHT

Knight Raytheon "B"

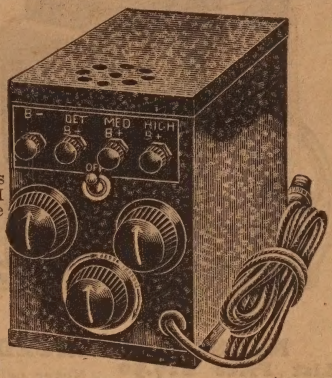
THE New Knight "B" Eliminator using Raytheon tube, entirely eliminates "B" batteries and furnishes a steady, constant current for plate supply for radio receivers from an A.C. electric light source. This new powerful eliminator is equal to the best and better than many within $10.00 of its cost. Will operate sets up to eight tubes including power tubes.

UP TO 180 VOLTS

The Knight "B" Supply will operate eight tubes including one power tube up to 180 volts. Has three variable adjustments. Has a fine filter circuit and finest materials throughout, entirely eliminating the usual loud hum.

THOUSANDS SOLD

The manufacturer of this unit has sold thousands of these eliminators and it is tried and found as perfect a unit as is obtainable. Uses type BH Raytheon tube. Size 7½x4½x5½. Operates from 110 to 115 volt 60 cycle A.C. current.



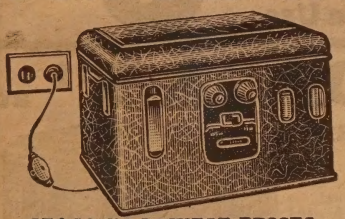
A $28.50 VALUE

This is regularly retailed at $28.50 without the tube. Our Price Does Not Include the Tube. Wt. 25 lbs.
No. 8062. List, $28.50.
YOUR PRICE WITHOUT TUBE..... **$11.95**

RAYTHEON BH TUBE EXTRA
No. 206. Wt., 12 oz. List, $4.50. YOUR PRICE..... **$2.65**

Constant—Quiet—Unfailing Power

60% Off Willard "A" and "B" Power



Willard Combination "A" and "B" Unit

ONE of the most convenient, simple and efficient combination A and B power units of the season. The wonderful reputation of Willard in the power unit field makes these the premier of all power units. They supply all necessary "A" and "B" current for battery operated receivers. In the "B" circuit the detector and intermediate voltages are variable. In the 50-60 cycle unit the "A" circuit includes the well known M.C.R.G. battery of 40 ampere hour capacity and a high grade charger having a trickle charge rate of .5 amperes and a booster charge rate of 2 amperes. The operation of the entire unit is controlled automatically by the switch on the receiving set.

SEASON'S LOWEST PRICES
These famous Willard A and B units are the same standard units that have been selling retail for $77.50. National advertising has already acquainted the public with their quality. You should reap an extra profit at the low price we quote.

No. 8049.	4 Volt, 50-60 Cycle	LIST $77.50 YOUR PRICE	**$24.50**
No. 8050.	6 Volt, 25 Cycle		
No. 8052.	6 Volt, 50-60 Cycle		

Willard Standard "A" Power

The Super Willard "A" Power Unit recommended for all sets where the power demand or drain is not excessive. Charging current is supplied through a high grade trickle charger having an output of .7 amperes. Available with or without a built in automatic relay switch.

With Relay Switch
No. 8053. "A" Unit complete with built-in relay switch. List $35.00. NET..... **$10.00**

Without Relay Switch
No. 8054. Complete Willard "A" unit without relay switch. List, $32.50. NET..... **$9.50**

Willard Super "B"

Incorporates the Willard Rectifier using a harmless solution and having the ability to deliver 180 volts at 50 mils. for the operation of power tubes. Five output terminals provide a wide range of voltages while two variable controls permit adjustment for critical voltages. Note our low price.

No. 8055. List price, $40.00. NET..... **$14.95**

Standard "B" Power Unit

Designed to deliver proper detector, amplifier and power tube voltages. Variable controls permit unusually fine adjustment of all critical voltages. It will develop 150 volts at 30 milliamperes—entirely free from hum. The unit is assembled in an attractive metal container finished in a moss brown crystalline color. As a "B" power supply for sets of average current requirements, it has no superior.
No. 8057. List, $35.00. NET..... **$14.50**

Super "A" Power

The Willard Super "A" Power unit reigns supreme in the "A" power supply field. It is completely assembled in an attractive moss brown finished metal case. It consists of a glass case battery having a 40 ampere hour capacity with gravity balls indicating at all times the condition of the battery. Its operation may be controlled by switches or the front of the unit or by means of an independent relay switch operated from the set. An exceptional value at the low prices quoted.

For 25 Cycle Operation
No. 8058. Designed for use on 25 cycle current. A real value List, $45.00. Net..... **$10.50**

For 50-60 Cycle Operation
No. 8059. Designed for use on 50-60 cycle alternating current. Highly recommended. List, $45.00. NET..... **$10.50**

Balkite "J" Charger $6.95

Regular List Price $17.50

Full TWO AMPERE and Trickle Rate

FRESH NEW STOCKS

Genuine Balkite Model "J" chargers at a new low price. They offer you everything you would look for in a high grade charger. For all around charging use, they are one of the most practical and economical chargers of the season. So designed that they provide two charging rates. The low charging rate is for use when it is to be used as a trickle charger for continuous charging for which purpose its output is sufficient to keep the battery in full power. The high rate charge is for heavy duty use and provides sufficient charge to take care of the largest battery sets.

FOR RADIO OR AUTO BATTERIES

The Balkite Model "J" charger can be used on all types of six-volt storage batteries—including automobile batteries. Being noiseless in operation it can, in many instances, be used during reception. Its large water capacity makes the addition of water necessary only three times a year.

EFFICIENT—ECONOMICAL—NOISELESS

Designed for operation on 110-120-volt, 50-60-cycle A-C. Its sturdy, compact construction requires a space of only 5⅜x8½x7¾ inches high. It is economical in operation having a watt consumption at high rate of 10 and at low rate only 9. It provides charging rates of 2.5 amperes at high rate and .5 amperes at low rate. A special model for 25-40-cycle with 1.5-ampere rate is available.

No. 8008
List Price $17.50
NOW
$6.95

PRICED UNDER JOBBERS WHOLESALE

Never before have we been able to offer our dealers such a remarkable value in a nationally advertised, popular type of charger. Our low net price represents a discount of more than 60% from the list price. Dealers are urged to stock up for their season's requirements, while these famous chargers are available at this exceptionally low price.

No. 8008. List Price, $17.50. YOUR PRICE.....$6.95

Genuine Balkite—Thousands in Use

YOUR PRICE
$6.95

Balkite Power Units

Model F Charger—Dry—2 Rate

Charges "A" batteries. Noiseless. Also supplies field voltage for 6 volt dynamic speakers. Two million in use. Absolutely dry, using Balkite new rectifier unit. Size, 4½x7½x6¼. Operates from 110-120 volts A.C., 60 cycle. Charging rate .5 to .8 amp. Wt. 7 lbs.

No. 8115.
List, $11.00.
NET **$6.47**

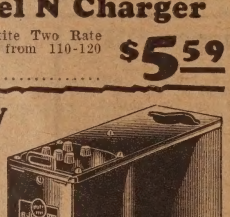
Model N Charger

This is the electrolytic standard Balkite Two Rate Charger. Size, 4½x7½x6¼. Operates from 110-120 volt A.C. 60 cycle. Wt., 7 lbs.

No. 8013. List, $9.50. Net..... **$5.59**

"B" Power Supply

Model "T" DRY



Uses 280 rectifier tube. Operates from 110-120-volt A.C., 60-cycle. Absolutely bone-dry. Can also operate 110-volt Dynamic speaker. Supplies "B" current from the light socket. Wt., 15 lbs.

No. 8117. List Price — less tube, $28.00.
YOUR PRICE.... **$16.46**

"B" Supply—Model E

Uses the electrolytic Balkite "B" eliminator with the same capacity as above unit. Also operates from 110-120 volt A.C. 60 cycle. Size, 4½x8¼x8⅞ in. The old standby Balkite "B" eliminator. Wt., 15 lbs.

No. 8118.
List Price, $32.00.
YOUR PRICE..... **$18.82**

EXIDE "A-B" at

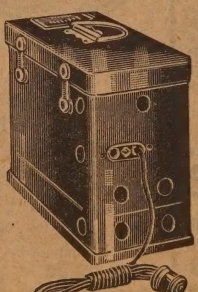
Less than Half

Genuine Exide Power Unit, Model 7-AB. Designed to supply all necessary "A" and "B" current direct from the light socket for operation of battery type receivers. Built-in relay switch makes the unit practically automatic in operation. Its sturdy construction and efficient design reflects the wonderful quality of all Exide products; operates on 110-120 volt, 50-60 cycle A.C. current. Attractively finished all metal case. Note our low price.

No. 8009. List, $63.00. YOUR PRICE.. **$24.50**

EXIDE "A" Power

Here is one of the season's outstanding values in a genuine Exide "A" power unit. It offers a compact, easily operated, safe and silent source of uniform, non-pulsating, continuous current for the filament circuit of battery operated radio receivers. It replaces the ordinary "A" battery and charger and offers in its place a smooth dependable "A" current. Designed for operation on 105-125 Volt, 50-60 cycle alternating current.



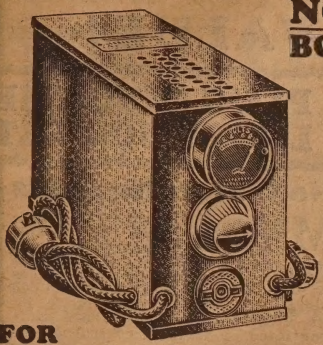
70% OFF LIST

These genuine Exide Model 3-A Power Units were built to sell for $35.00. The exceptionally low price we are able to quote is made possible by our tremendous cash buying power. These remarkable savings are passed right on to you in the way of lower prices. You are urged to buy now while these low prices are in effect. Complete ready to operate.

No. 8010.
List, $35.00.
NET **$9.95**

50% OFF KNIGHT DRY "A"

NOT A BATTERY CHARGER COMBINATION—BONE DRY—NO VIBRATING PARTS—HUMLESS—NO MORE BATTERY TROUBLES



FOR
1 TO 8 TUBE SETS

2½ Ampere Output

This dry "A" eliminator is manufactured by one of the large power unit manufacturers of the country. **Can supply eight tubes including a power tube.** Includes a 2½ ampere rectifier that has a long record for high performance. Exhaustive tests and months of continuous service by the manufacturer has proven this. **Entirely Dry.** Requires no attention. No water—no acids—no moving parts.

Quiet Operation—No Hum

Dry electrostatic condenser, a creation of this manufacturer, combined with the efficient filter chokes give very excellent filtration and very excellent supply excelling a storage battery. For complete "A" electrification. Replaces battery, charger and relay entirely. Constant quiet "A" power instantly available at the flick of the switch.

Economical

This unit is very economical to operate. From 110 to 115 volt, 50-60 cycle A.C. current. Size of unit, 4x10¾x7. Will use very little current and is supplied with a meter for perfect operation. Is used only when radio set is in operation. Utilizes current only while set is in use. No batteries, chargers or relays.

1 TO 8 TUBE SETS

For sets up to 8 tubes, including power tube.

Meter equipped for perfect control.

Single switch controls.

Simple, positive and dependable.

Easy to Install

This is a simple unit to install. Provides receptacle for plugging in any "B" supply. Meter equipped so that one may see when 6 volts is being delivered. **This unit need only be plugged in.** Contains a permanent push switch and is ideal and fool-proof.

Priced Far Below Market Value

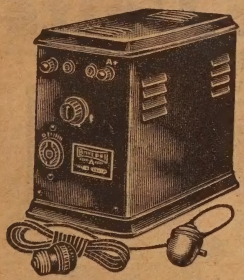
This unit has a normal list price of $39.50 and is herewith offered to you at an extraordinary low price because of our volume purchases with its manufacturer, who is nationally known. Wt., 18 lbs.

No. 8074. List Price $39.50

YOUR PRICE

$16.95

The FAMOUS WEBSTER POWER UNITS



Bone-Dry "A" Model A-10

The Webster Model A-10 Bone-Dry "A" eliminator is a compact power supply unit providing an output of 2½ amperes at 6 volts. It has been carefully engineered and its design is such that it can be depended upon for long, continuous, uninterrupted service. It entirely eliminates the troublesome "A" battery and charger combination and provides in their place a trouble free unit always ready to serve you at the turn of a switch.

Supplies 2½ Amps at 6 Volts

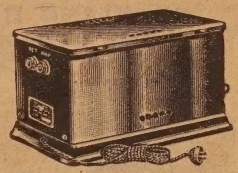
The high output of the Bone-Dry Webster "A" is sufficient to properly operate a receiver having as many as ten 201A type tubes or any receiver having an amperage draw not exceeding 2½ amperes. In operation, the Bone-Dry "A" provides a steady, hum-free six-volt current to the receiver, assuring you of consistent reception under all operating conditions. **Equipped with a variable resistance controlling the power to local line conditions.** A built-in relay switch enables the "B" eliminator to be plugged into the dry "A" unit so that both may be controlled from the pendant switch on the "A" unit. For all 5-volt tubes, 201A type, and power tubes.

Genuine Elkon Rectifiers

Genuine Elkon rectifier and condenser units are used in the Webster Bone-Dry "A." These units have demonstrated their stamina through severe tests and are generally accepted by the trade as long life, service free units. The Webster Dry "A" solves a demand for an efficient "A" eliminator. Stands 10⅝ in. high, 6⅛ in. wide, 11½ in. long. Its compact design permits its use in practically any type of console. A real value. Weight, 30 lbs.

No. 8105
Regular $35.00 Retail
Your Price **$20.58**

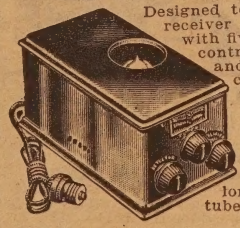
Reliable "B" Eliminator



The Webster reliable "B" unit has earned an enviable reputation for quiet and economical operation. **It is provided with two variable controls governing the detector and amplifier output and an extra power tap supplying 135 to 180 volts.** It can be arranged to deliver current values for detector up to 67½ volts, 90 and 135 volts for intermediate output and up to 180 volts for power output. **It is fully adjustable to meet the requirements of any set. Designed for Raytheon tube electrification.** Stands 6 in. high, 6⅝ in. wide, 11½ in. long. Price does not include tube. Weight, 18 lbs.

No. 8106 **Retail $18.50** **Your Price** **$10.88** **Without Tube**

Super "B" Eliminator



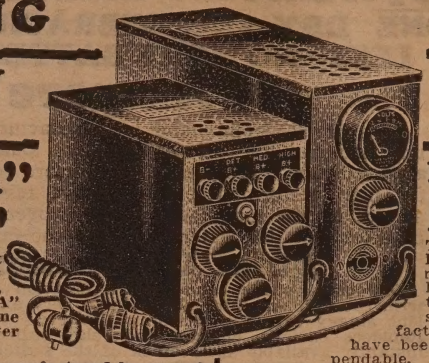
Designed to meet the requirements of any receiver drawing up to 60 milliamperes with five tubes or more. Three variable controls control detector, amplifier and power tap outputs. Its large capacity delivers sufficient surplus current to assure perfect operation of the receiver. The variable taps can be adjusted to fit the exact needs for best reception. Designed for Raytheon tube electrification. Stands 6 in. high, 6⅛ in. wide, 11½ in. long. Price quoted does not include tube. Weight, 20 lbs.

No. 8107 **Retail $24.00** **Your Price** **$14.11** **Without Tube**

SUPERPOWER "AB"

SMASHING VALUE!

ELECTRIFY YOUR SET



PLUG INTO THE LIGHT SOCKET

The Dry "A" and Dry "B"

THIS combination of the Knight Dry "A" and the Knight Dry "B" using a Raytheon tube, makes the finest combination "A" and "B" eliminator for use with one to eight-tube sets, including power tube.

These twin power supplies are manufactured by one of the largest power supply manufacturers in the country.

QUIET — CONSTANT

For those who now have battery operated sets, this combination supply is ideal to electrify the set. The dry "A" has receptacle for the "B" and requires only turning on or off a switch to release the smooth 110-115 volt 60 cycle current. No hum because of the fine filter circuit.

The combined width of space taken by this combination is only 8½ in. while the height is 7½ in. maximum and the depth 10¾ in. Very compact.

For Sets From 1 to 8 Tubes

This combination is for sets from 1 to 8 tubes including a power tube and these two units combined require no water, no acids of any kind.

No Water--No Acids

MOST of the cheaper combinations of "A" and "B" eliminators require waters or acids This combination requires **only a Raytheon type BH tube** which does not require replacement for over 1,000 hours. All these claims made by the manufacturers have been substantiated by their successful manufacture of quality products. These units have been tried by thousands and found dependable.

A Tremendous Value

Needless to say we offer here a retail value of $68.00, at a price and discount which is astonishing. We offer this combination of the Knight "A" eliminator and Knight "B" Eliminator together with Raytheon BH tube and ask you to compare their value with any similar combination. Their performance is outstanding.

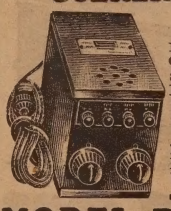
No. 8075. Including "A" Eliminator, "B" Eliminator and Raytheon BH Tube. Wt., 50 lbs.

List Price $68.00

Your Price $31.55

Sterling Socket Power Units

STERLING B ELIMINATORS



MODEL RT-41 FOR RADIOLAS

For 2 to 5 tube sets and for Radiolas. Employs UX-213 type rectifier tube. Capacity, at 130 volts—25 mills. Variable amplifier and detector voltages. Measures 7½ by 4½ by 5½ in. For 110 volts, 60 cycle "AC" operation. **Tube not included.**

No. 8110. Wt., 12 lbs. **Retail, $22.00. YOUR PRICE** **$12.94**

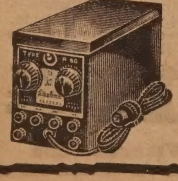
MODEL R-81 FOR 3 TO 8 TUBE SETS

Satisfactorily operates sets having 8 large tubes, including power tube when grid biased. Employs Raytheon type BH tube. Variable amplifier and detector adjustments—operates from 110 volt, 60 cycle AC current. Measures only 7½x4½x5½ in. **Tube not included.**

No. 8111. Wt., 12 lbs. **Retail, $24.00. YOUR PRICE**..... **$14.11**

"BC" UNIVERSAL MODEL R-98

Operates on set using up to 100 milliamperes. Maximum "B" voltage of 180 volts, and 40 volts "C." Uses standard type BH Raytheon Rectifier Tube.

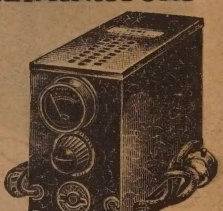


FOR MULTI-TUBE SETS

Adaptable for the largest sets. Both detector and amplifier voltages are variable. Operates from 110 volt, 60 cycle "AC" current. Measures only 4½x11½x6 in. **Tube not included.**

No. 8112. Retail, $33.50. Wt., 20 lbs. **YOUR PRICE** **$19.70**

STERLING "A" ELIMINATORS



A high grade meter equipped "A" Eliminator for sets up to 8 tubes, including power tube. Provides a simple positive long-lived dependable "A" Current.

DRY—NO LIQUIDS

Not a charger-battery combination. Uses the new Marathon 2½ amp. dry disc rectifier. Supplies a maximum of 2½ amp. continuously, at 6 volts.

FREE FROM HUM

A special oversize filtering condenser assures perfect freedom from hum. One installed, requires no further attention. Complete, ready for 110 volt, 60 cycle "AC" operation. 4x10¾x7 in. Wt., 20 lbs.

No. 8113. Retail $39.50. YOUR PRICE **$23.23**

FOUR VOLT "A" UNIT MODEL R-94

FOR RADIOLAS AND SETS USING 199 TUBES

Replaces the 4 volt "A" Battery or Dry Cells. For sets using up to 10 type 199 tubes. Automatic control switch, built-in, providing carefree automatic operation.

Large Capacity Condenser

Has specially designed condenser of extra capacity, so that it smooths out the last trace of hum. Employs standard .6 amp. Tungar Bulb. Measures only 7x4x10¾ in. **Bulb not included. YOUR PRICE.**

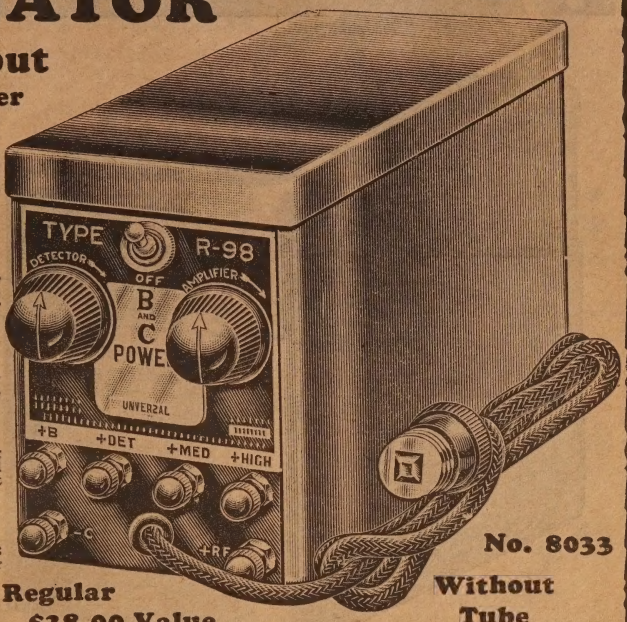
No. 8114. Wt., 15 lbs. **Retail $28.00.** **$16.46**

SUPER POWER B ELIMINATOR

YOUR PRICE $15.95

Constant Output
Dependable Power

THE Super Power B Eliminator is manufactured by a nationally known manufacturer who has been in production of this unit for many years. Uses a Raytheon tube and maintains a standard output voltage at all terminals regardless of load or line variations. Easy to attach. One of the finest eliminators built.



No. 8033

Without Tube

Quiet Operation — No Hum

Supplies B and C current for any radio set up to 100 mills.—without hum. Maximum voltage 180 volts. "C voltage 40 volts." Has two variable regulators, for detector and R.F., also regulator for A.F. and power voltages.

For the Largest Sets

This unit can be used on the largest sets now in use. Operates from 110 to 120 volts 60 cycle A.C. current. Size, 4½x11½x8 in.

Compare It With Any

Compare this unit with the best on the market. Binding posts plainly marked supplying all voltages. This is a real buy and a wonderful unit although it is not the cheapest inasmuch as it is a real quality B eliminator.

Permanent Power

Using the Super Power eliminator you may forget all B battery troubles. It is a wonderful value at a much lower price.

Dry — No Liquids

Absolutely dry. Uses Raytheon BH tube. No liquids. Uses large humless filter container for filtration.

Regular $38.00 Value

Shipping Weight 25 lbs.

$15.95

Note—Raytheon tube must be purchased extra with this unit. The unit will not work without it.

No. 206. Raytheon BH tube. **List $1.50. YOUR PRICE..... $2.65**

Greene—Brown Dry "A" Unit

A batteryless bone dry "A" eliminator of advanced design. Entirely eliminates the annoyance and inconvenience of wet or dry "A" batteries. It provides a steady, unfailing source of "A" current for the operation of five-volt type D.C. receivers. Its trouble-free operation coupled with its amazing performance will win for it a ready market wherever D.C. receivers are being used.

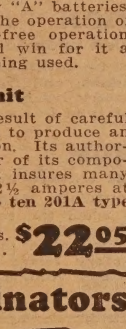
A Super, Heavy Duty Unit

The Greene-Brown Dry "A" Unit is the result of careful engineering and years of experimental work to produce an unfailing, hum-free power for radio reception. Its authorized construction plus the high safety factor of its component parts imparts to it a ruggedness that insures many years of trouble-free service. Delivers 2½ amperes at 6 volts. **For use on sets employing up to ten 201A type tubes.** A real value.

No. 8025. Shipping weight, 25 lbs. **Retail, $37.50. YOUR PRICE..... $22.05**

Greene—Brown "B" Eliminators

Greene-Brown power units are ruggedly constructed, scientifically developed and nationally known for their superior performance. It may be used with any standard radio receiver. Constant, unfailing power. Quiet and humless.



No. 8063. 5-6-7-Tube Model. For all sets up to 7 tubes including power tube. Capacity, 35 mils and 135 volts. Hum-free and dry. Operates from 110-volt, 50-60-cycle A.C. Size, 3⅞ in. wide, 9¼ in. high, 9 in. long. Handsomely finished metal case. Complete with tube. Shipping weight, 22 lbs. With Tube. **List, $27.50. YOUR PRICE.. $16.17**

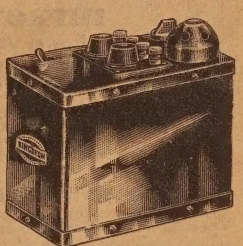
No. 8064. Hi-Power "B". A heavy duty unit for all high voltage sets up to 10 tubes. 6 output posts for simplified installation. B—, 45+, 67+, 90+, 135+, 180+. No variable adjustments. Requires no attention. Shipping weight, 25 lbs. With Tube. **List, $30.00. YOUR PRICE... $17.64**

No. 8065. "B" Royal 25-40-Cycle. Heavy duty model power unit for use with 25-40-cycle, 110-volt alternating current. Will operate all high voltage sets up to 10 tubes. Shipping weight, 25 lbs. With Tube. **List, $40.00. YOUR PRICE..... $23.52**

Kingston "B"

50% Off

$13.45



New improved Kingston "B" Eliminators use the new Raytheon 125 milliampere BH tube. Provided with 3 voltage terminals. Each adjustable over a wide range making possible any desired voltage from 5 to 200. Dimensions: 9 in. long, 5¼ in. wide, 8¼ in. high.

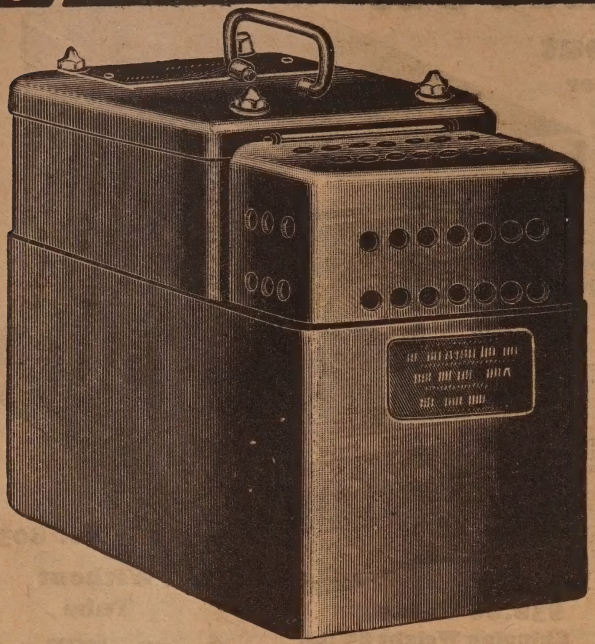
Model 2

No. 8037. Model 2. For all receiving sets having up to 8 tubes without type 171 power tube. Operates from 110 to 120 volts A.C., 60-cycle Shipping weight, 25 lbs. **List, $32.50. YOUR PRICE.. $13.45**

Model 2A

No. 8038. Model 2A. For all sets of 9 or more tubes including 171 power tube. Has high voltage and high output capacity. For operation from 110 to 120 volts, 60-cycle A.C. Shipping weight, 25 lbs. **List, $42.50. YOUR PRICE.. $24.99**

New "ABOX" A POWER



A REAL "A" POWER UNIT

A COMPLETE self-contained "A" eliminator representing the foremost engineering advance in rectification of A.C. current for use in the "A" circuit of radio receivers. It eliminates the old "A" battery and offers in its place a clean, dependable and highly efficient source of "A" current. It is not a battery charger combination, but a new principle of rectification through a high capacity condenser.

IMPROVES RECEPTION

This Super Power Abox can be depended upon for years of constant unfailing service. It provides an output of 2½ amperes at six volts—that is steady, dependable and free from hum. It puts a definite end to your "A" battery troubles. It is adaptable to all sets employing the standard type five volt D.C. Tubes—201-A and power tubes.

FREE FROM ALL HUM

The Abox, because of its large oversize transformer and its highly perfected filter system, is entirely free from mechanical noises and hum. It works only when the set is in operation and it does not store up current like a storage battery. These genuine Abox eliminators are offered you at a price far below their actual value. Each unit is factory tested and in original factory containers. Our tremendous sales volume makes possible this low price to our dealers.

Cut to the bone

RETAIL PRICE $35.00

YOUR PRICE $13.85

FOR ELECTRIC OPERATION OF D-C SETS

The new Abox "A" Power is provided with a receptacle plug for a "B" Eliminator. Such a combination attached to your set will give you the real convenience of electric operation—and better reception because of its unusual efficiency.

NO BATTERIES

There are no batteries in the Abox "A" unit. It places in the discard the old troublesome battery and offers in its place a clean trouble free unit that can be depended upon for years of satisfactory service. It is a complete self-contained unit employing no tubes to burn out or deteriorate.

NO CHANGES IN TUBES OR SET WIRING

The "Abox" unit is provided with an "off and on" switch for controlling the flow of current to both A and B units assuring real convenience in operation. The "Abox" connects to your set just like an "A" battery. No changes in the wiring of the set are necessary. Once installed it assures you of perfect hum-free A current—and improved reception.

NEW LOW PRICE

Never before have we been able to offer our dealers such an unusual value in a nationally advertised A" power unit. Our low net price means extra profit for you.

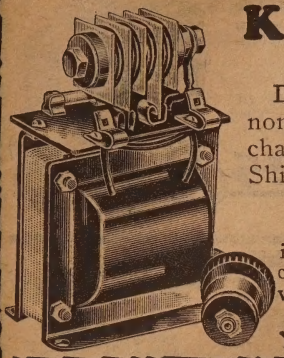
A $35.00 Value—No. 8007—Retail Price $35.00 Your Price $13.85

Special 4 Volt Type

Designed for use with sets requiring 4 volts in the filament circuit.

No. 8068. Retail Price, $27.50. YOUR PRICE..... $9.50

Dependable Dry Chargers



KNIGHT TWO-RATE CHARGER

Bone Dry - Noiseless - Economical

Dry, noiseless, efficient. The Knight Two-Rate Charger is economical and compact. It uses the new dry disc rectifier. Will charge batteries quickly up to 2 amperes. Size 3½x5½x3¼ inches. Shipping weight, 5 lbs.

COMPACT—REQUIRES SMALL SPACE

Very compact, requiring small space. Two charging rates, .7 amperes and 2 amperes, changed by changing position of the fuse. **The biggest charger value today.**

No. 8079. List, $12.00.
YOUR PRICE **$4.95**

New Tungar Chargers

For charging radio and automobile storage batteries. Unusually quiet in operation. Complete absence of moving parts. Will charge 2, 4, or 6 volt radio A batteries and can also be used to charge 24 to 96 volt B storage batteries in series of .1 to 25 amps. **May be connected to the A battery permanently for full control from the lighting circuit.**

The transformer is thoroughly insulated and is completely embedded in compound, eliminating all objectionable noise and making it impossible to burn out tubes.

No. 8046. For 110 v., 60 cycle operation. 5 amp. size. Wt., 15 lbs. **Retail, $24.00.**
YOUR PRICE **$15.29**

No. 8047. For 110 v. 60 cycle operation. 2 amp. size. Wt., 10 lbs. **Retail, $14.00.**
YOUR PRICE **8.92**

No. 8048. For 25 cycle operation. 2 amp. size. Wt., 2 lbs. **Retail, $18.00.**
YOUR PRICE **11.47**

STANDARD TUNGAR BULBS

No. 126. 5 amp. size. **$5.10**
Retail, $8.00. YOUR PRICE.....

No. 125. 2 amp. size. **2.55**
Retail, $4.00. YOUR PRICE.....

No. 127. .6 amp. size. **2.55**
Retail, $4.00. YOUR PRICE.....

Tungar Trickle Chargers

Designed for continuous operation on 4 or 6 volt radio A battery providing a dependable A supply from the lighting circuit. Small, compact and economical in operation.

Adjustable Charging Rate

Charging rate is adjustable from .1 to .5 amperes per hour to meet individual requirements. Furnished complete with battery clips and 8 ft. of A.C. cord ready to plug in. Operates from 115 v. 60 cycle A.C. current. Priced complete ready for installation. Wt., 8 lbs.

No. 8051. Retail, $10.00.
YOUR PRICE **$6.37**

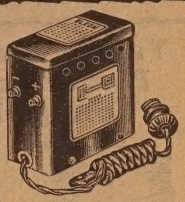
Knapp A Eliminator

A high grade A eliminator that supplies filament voltage of 3, 4 or 6 volts. Not a battery charger combination. Employs the famous Elkon rectifier and three dry Elkon condensers for ripppleless, humless current. Supplies 2¼ amperes at 6 volts. Operates on a 105-120 volt A.C. 50-60 cycle current. Complete with B eliminator receptacle and pendant switch which controls set A power and B eliminator. Highly recommended. Once installed requires no further attention. Wt., 25 lbs.

No. 8073. Retail, $37.50.
YOUR PRICE **$22.05**

Elkon Tapering Chargers

Trickle Type



A new idea—A high charging rate when the battery is low—low rate when the battery is high. Maximum charging rate of one ampere. Uses Elkon drydisc rectifiers. Absolutely dry, no corrosion, no trouble, no attention, no moving parts. Long, dependable life. Weighs 8 lbs.

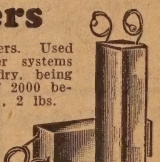
No. 8056. Retail, $10.00. **Your Price** **$5.88**

Three Ampere Type Charger

For radio or automobile batteries. Provides a noiseless, absolutely dry, trouble free unit with the famous tapering feature protecting the battery. Uses the famous replaceable Elkon rectifiers that will last for years. No moving parts. Silent in operation. Maximum charging rate of three amperes. Wt., 15 lbs.

No. 8026. Retail, $13.50.
YOUR PRICE **$7.94**

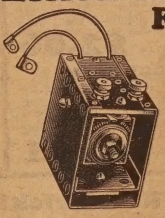
Elkon High Capacity Dry Condensers



Genuine Elkon dry type high capacity condensers. Used in the leading A eliminators and in all filter systems where high capacities are needed. Perfectly dry, being baked for twenty-four hours at a temperature of 2000 before sealing in can. Measures 2x2x6¾ in. Wt., 2 lbs.

No. 8099.	750 mf.	Retail,	
No. 8100.	1250 mf.	$4.50	**$2.65**
No. 8101.	1500 mf.	YOUR	
No. 8102.	2000 mf.	PRICE	

Elkon Replacement Units For Balkite Chargers



For Models N and K Chargers

The only authorized replacement rectifier for Balkite chargers. They snap into place on the old charger and give it new life. They are solid, dry, noiseless, need no attention and perform perfectly for years. They increase the charging rate on the type N unit to one ampere and on the type K unit to .8 amperes. Wt., 4 lbs.

No. 8103. Retail, $5.00.
YOUR PRICE **$2.94**

For Model J Balkite Charger

Genuine Elkon replacement unit for the Model J Balkite Charger. Snaps instantly into place on the Charger. Instructions for installation are simple. They increase the charging rate of the type J charger fully 20% on all charging rates. They are noiseless, dry and dependable under all operating conditions. Highly recommended. Wt., 5 lbs.

No. 8104. Retail $7.50.
YOUR PRICE..... **$4.41**

Chargers, Relays and Rectifiers

Valley Chargers

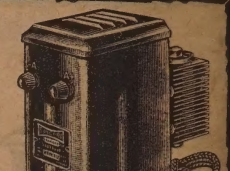
This charger will charge both 6 and 12-volt batteries by means of binding post connections. Is a rotating, vibrator type. Has non-shocking bakelite panel and clear vision glass cover. Wt., 14 lbs.

No. 8096. For 110 - volt, 60 - cycle A.C. List, $19.50. YOUR PRICE **$11.47**

No. 8097. For 110 - volt, 25 - cycle A.C. List, $21.00. YOUR PRICE **$12.35**

Webster 3 Ampere Chargers

The New Webster Bone Dri Charger when once installed needs no further attention. Charges at full rate of 3 amps.



Provides Tapering Charge

When your "A" battery is low, the rate of charge is high, and when the battery is high, the charging rate is low. This feature insures you against the possiblity of over-charging your battery. For 110-volt, 60-cycle A.C. Size, 4x6x7 in. Wt., 6 lbs. List, $12.50.

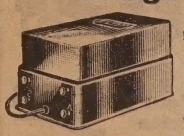
No. 8098. YOUR PRICE..... **$7.35**

Elkon Dry Replacement for Philco

New Elkon all dry metallic rectifier is designed to replace the wet jar rectifiers in Philco units designated as Philcatron A and Philcatron AA used in Philco A and B combinations, Trickle Chargers and A Power Units. Very simple to attach. Only two wires to connect. No liquids—no attention.

No. 2508. List, $4.00. YOUR PRICE **$2.35**

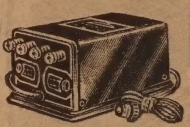
Yaxley Automatic Power Controls Voltage Relay



A device for completely controlling the current to your set from eliminators or batteries. Neat, black enameled case with full instructions for attaching in each box. Wt., 1½ lbs.

No. 5738. List, $7.50. YOUR PRICE..... **$4.41**

Brach Controlit Switch



An automatic relay for "A" battery charger and "B" eliminator. Automatically switches "B" eliminator off and charger on or off as the set is switched on or off. Entirely automatic. Wt., 1½ lbs.

No. 2373. R-6, for 6-volt sets.
No. 2374. R-4, for 4-volt. sets. List, $4.50. YOUR PRICE..... **$2.65**

Reliable Automatic Relay

Reliable, automatic power control switch for use with trickle charger and "B" eliminator. Automatically turns on or off either or both as required. Its use advised with every "B" eliminator. Wt., 1½ lbs.

No. 2377. List, $2.00. YOUR PRICE **$1.18**

Yaxley Automatic Relay

An automatic relay for controlling the "B" eliminator and charger automatically from the radio switch. Perfect electrical connections. Thoroughly dependable.

Type 444—series type

No. 2371. For sets with current draw equal to 4 199 tubes and up to 11 201A tubes. Wt., 1½ lbs. List, $5.00. YOUR PRICE..... **$2.94**

Type 445—multiple type

No. 2372. No voltage drops. May be used with any set and any number of tubes. Wt., 1½ lbs. List, $6.00. YOUR PRICE..... **$3.53**

Service Station Battery Chargers

These modern service station chargers come complete with 6 ampere Genuine Tungar bulb. Handle controls current and meter shows current being passed. Efficient, automatic and totally enclosed.

There's Profit in Charging Batteries

The reasonable price and usual large profits to be made in charging radio and automobile batteries, pays for equipment in short time.

A Type For Every Need

No. 8076. Type 6-B for 1 to 6 batteries, 110-220-volt, 50 or 60-cycle, 6-amp. charger. Weight, 96 lbs. YOUR PRICE... **$44.10**

No. 8077. Type 6-B for 1 to 6 batteries, 110-220-volt, 25, 30 or 40-cycle, 6-amp. charger. Weight, 110 lbs. YOUR PRICE... **$53.90**

No. 8078. Type 15-B for 1 to 15 batteries, 110-220-volt, 50 or 60-cycle, 6-amp. charger. Weight, 112 lbs. YOUR PRICE... **$68.60**

Rex Relay

A low priced automatic relay. Easy to install and dependable. Good for eliminator and battery operated sets. Wt., 1½ lbs.

No. 2370. List, $3.00. YOUR PRICE **$1.71**

Full Automatic Relay

An "A" and "B" relay for use with trickle chargers and "B" eliminators. Particularly compact. Wt., 1½ lbs.

No. 2375. For sets with 6-volt batteries. List, $3.50. YOUR PRICE..... **$2.06**

2 Amp. Cut-out Type

Makes control of power entirely automatic. Cuts off charger when battery is fully charged. Wt., 2 lbs.

No. 2376. For sets using 6-volt batteries. List, $7.50. YOUR PRICE..... **$4.41**

Handy Two-Rate Trickle Chargers

The ideal charger for all around use—efficient and quiet. The latest development in chargers providing a double charging rate. Has ammeter and dry indestructible metallic tube.

The Trickle-Booster Principle

For ordinary use throw toggle switch to "low." If battery is below normal, switch to "high" for a quick charge. "Low" rate is ½ ampere—"high" rate is 2 to 2½ amperes. Wt., 10 lbs.

No. 8069. 110-volt, 50 to 60-cycle A.C. List, $14.00. YOUR PRICE.... **$8.23**

No. 8070. 110-volt, 25, 30 or 40-cycle A.C. List, $16.00. YOUR PRICE..... **$9.41**

Handy Metallic Rectifiers

Dry, noiseless tube, delivers maximum 2½ amperes or trickle charge. May be used in Handy Two-Rate chargers or any standard bulb chargers. Wt., 12 oz.

No. 5737. List, $4.00 Your Price **$2.35**

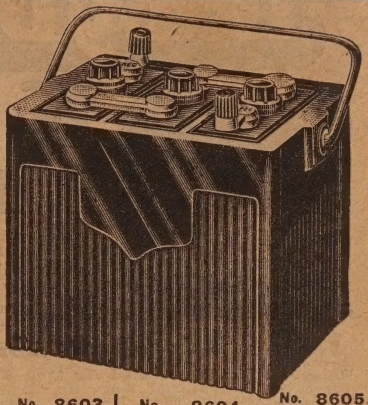
Super Value Storage Batteries

In-A-Cap Hydrometer

All damage to rugs and furniture caused by the spilling of battery acid, can now be avoided by the use of this novel set of hydrometers. Fit into the screw vent of all standard storage batteries. In-A-Cap Hydrometers can be permanently installed into each individual cell. It is not necessary to remove the hydrometer to take readings. Instantly shows the condition of each cell. Wt., 1 lb.

No. 6214. Retail per set of three, $3.00. YOUR PRICE..... **$1.19**

Heavy Duty Leak-Proof 3 Year Guarantee



A high capacity thick plate, sturdy rubber ebony battery. Solid construction, sealed cells. Shipped fully crated and charged; rigid leads at grids. Guaranteed for three years against any defect in material and workmanship. Fully rated capacity at 1 amp. discharge.

No. 8601.	No. 8602.	No. 8603.	No. 8604.	No. 8605.
6-volt, 60-amp. Wt., 40 lbs.	6-volt, 100-amp. Wt., 47 lbs.	6-volt, 120-amp. Wt., 50 lbs.	6-volt, 140-amp. Wt., 55 lbs.	Special 100-amp., thinner plate 11. Wt., 45 lbs.
$5.88	$7.11	$8.82	$10.35	$6.55

Battery Terminal Connectors

Makes perfect connections to "A" Batteries having plain terminal posts. Slips over post. Wt., 6 oz.

No. 6246. YOUR PRICE, EACH... **18c**

No. 6247. YOUR PRICE, PER TEN **$1.78**

Rubber Battery Mats

A well built acid resisting rubber battery mat. Takes largest size batteries. Wt., 3 lbs.

No. 6208. Retail, $1.00. YOUR PRICE. **36c**

"B" Battery Meter

Tests your "B" Batteries. Shows their condition. Tests all "B" Batteries. Combination meter, also tests 1½ volt dry cells. Wt., 1 lb.

No. 2079. 0-50 volts. YOUR PRICE.. **55c**

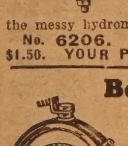
No. 2080. Combination Voltammeter, 0-35 amps.—0-50 volts. YOUR PRICE **75c**

Charge Indicator "A" Battery

A small pocket meter that quickly indicates when your battery is dead — requires charging, or is fully charged. Eliminates the messy hydrometer. Wt., 8 oz.

No. 6206. Retail, $1.50. YOUR PRICE. **68c**

Beede Test-A-Bat



Mounts directly on any storage battery. Pressing the button quickly indicates condition of battery. Complete with all attachments. Wt., 8 oz.

No. 6201. Retail, $1.75. YOUR PRICE **$1.03**

Battery Clips

Non-corrosive, perfect gripping clips. Fit any size storage battery terminal. Lead covered. Wt., 4 oz.

No. 6207. Large size. TWO FOR... **18c**

Battery & Radio Clips

Built for lasting service. The strong spring tension makes perfect contact at all times. Heavily lead coated to prevent corrosion. Shipping wt., 2 oz. to 8 oz. each.

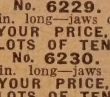
No. 6228. 10 amp. size, 1½ in. long—jaws open, ⅝ in. YOUR PRICE, LOTS OF TEN..... **37c**

No. 6229. 25 amp. size, 2⅜ in. long—jaws open 1 in. YOUR PRICE, LOTS OF TEN..... **67c**

No. 6230. 50 amp. size, 3⅝ in. long—jaws open, 1½ in. YOUR PRICE, LOTS OF TEN..... **$1.30**

No. 6231. 100 amp. size, 4⅛ in. long—jaws open 1 in. YOUR PRICE, LOTS OF TEN..... **$2.40**

Connecting Clips



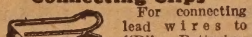
For connecting lead wires to "B" Batteries, binding posts, etc. Ideal for experimentors. Wt., 10 oz.

No. 6209. Neat nickel finish. YOUR PRICE, PER DOZ. **37c**

No. 6210. Pee Wee, copper finish—small pocket size. YOUR PRICE PER DOZ. **7c**

No. 6211. Lead covered for storage "B" Batteries. YOUR PRICE PER DOZ. **37c**

Battery Cable Connector



Flexible stranded conductor wire, with soldered spade type terminals. Packed 25 in a carton.

No.	Length	PER 25	PKG.
6232.	3 in. Wt., 1½ lb.		55c
6233.	6 in. Wt., 1½ lb.		63c
6234.	8 in. Wt., 2 lbs.		70c
6235.	12 in. Wt., 2 lbs.		78c

Bargain Hydrometer

A well made hydrometer with accurately graduated float. Tests storage "A" and "B" Wet Batteries. Wt., 1½ lbs.

No. 6248. Retail, 50c.. YOUR PRICE **23c**

S.O.S. Hydrometer

Chaslyn Type. If all three balls float, battery is charged—if one sinks, battery is nearly charged —with two down, the charge is low—and with all three down, the battery is dead. Wt., 1½ lbs.

No. 6249. Retail, 75c. YOUR PRICE... **49c**

Leader Hydrometer

Has accurate beaded float which is practically unbreakable. The rubber bulb and stem are of high grade live rubber that retains resiliency. Wt., 1½ lbs.

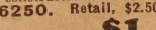
No. 6203. Large size highly recommended. Retail, $1.50. YOUR PRICE... **39c**

Service Hydrometer

Extra large size heavy duty Hydrometer for battery stations, and dealers. Accurately calibrated beaded float that is practically unbreakable. Rubber parts are high grade live material in shock absorbing construction. Wt., 1½ lbs.

No. 6250. Retail, $2.50. YOUR PRICE **$1.45**

Hydrometer Floats



High grade replacement float that fits practically any standard Hydrometer. No need to throw away the old Hydrometer. Wt., 4 oz.

No. 6204. Retail, 25c. YOUR PRICE.... **17c**

Battery Cables

Made of high grade flexible stranded rubber insulated and braid covered conductors. For "A," "B" and "C" battery connections. Conforms to R.M.A. color code. Soldered terminal lugs prevent loose connections. Wt., 6 oz. to 1½ lbs.

4½ FT. LONG

No. 6236. 5 conductor. Retail, 50c. NET.. **23c**

No. 6237. 6 conductor. Retail, 60c. NET.. **29c**

No. 6238. 7 conductor. Retail, 70c. NET.. **35c**

No. 6239. 8 conductor. Retail, 85c. NET.. **43c**

No. 6240. 9 conductor. Retail, $1.00. NET **50c**

No. 6241. 10 conductor. Retail, $1.15. NET **58c**

10 FT. LONG

No. 6242. 5 conductor. Retail, $1.25. NET **68c**

No. 6243. 6 conductor. Retail, $1.55. NET **89c**

No. 6244. 7 conductor. Retail, $1.85. NET **$1.05**

No. 6245. 8 conductor. Retail, $2.15. NET **$1.28**

Cable Markers

Easily read markers that fit snugly to the wire. Packed in boxes of 11. A+, A—, B—, C+ C—, B+Det., B+Amp., B+R.F., B+PR., Ant., Grd. Wt., 3 oz.

No. 6227. Retail, per set, 25c. YOUR PRICE..... **15c**

Battery Lead Tags

Metal tags for marking battery leads. Easy to attach. In envelopes containing two tags each, of the following markings: B+Det., B—, 1 A+, A—, 1 B+ Amp. Wt., 2 oz.

No. 4001. Retail, per set, 15c. YOUR PRICE.... **7c**

Heavy Duty "B" Batteries

KNIGHT B BATTERIES

Manufactured to our exacting specifications by a nationally known manufacturer. Knight batteries have already earned a reputation for long life and quiet operation. Their low price enables the dealer to realize a handsome profit on his B battery business. **Nothing has been spared in the manufacture of these batteries to make them one of the best batteries on the market.**

Noted For Their Long Life

Knight batteries are noted for their low internal resistance and exceptional long life. Your trade wants good batteries—give them Knights. Their low internal resistance eliminates many battery noises commonly blamed on static. Good batteries improve reception. You cannot afford to take a chance on inferior batteries. **Standardize on Knight. You will be ahead in the long run.**

The Low Price Means Extra Profit For You!

Mass production and the use of labor saving machinery has so lowered the cost of Knight battery construction that these low prices are possible. The savings thus affected are passed on to our dealers so that they in turn may reap a larger profit. You can buy a big heavy duty Knight for the price you would ordinarily pay for a regular size standard B battery.

45 VOLT HEAVY DUTY

No. 5727. For multi-tube sets. Their extra large size means many months of additional service. Should be used on all sets employing power tubes. Highly recommended. Size 8½x4½x7½. Wt. 13 lbs.

Retail $3.75 YOUR PRICE **$1.72**

45 VOLT UPRIGHT

No. 5725. Large upright standard type batteries for use on five and six tube sets. Perfectly insulated large cells assure long life. Tapped at 22½ volts. Size 8x7x3. Wt., 11 lbs.

Retail $2.50 YOUR PRICE **$1.20**

22½ VOLT UPRIGHT

No. 5726. A long life battery designed for use where space is limited. A fast moving popular size battery measuring 4x3x6 in., which every dealer should stock. Wt., 6 lbs.

Retail $1.75 YOUR PRICE **69c**

4½ VOLT 'C' BATTERY

No. 5728. Standard type C battery which should always be used with power tubes. Reduces B battery drain. Assures proper amplification without distortion. Size, 1¾x2¾x4. Wt., 1 lb.

Retail 50c YOUR PRICE **22c**

BURGESS "B" BATTERIES

Burgess batteries are known the world over for their efficiency. Nationally advertised. Unusually long life. These batteries are absolutely dependable. You can rely upon their giving splendid service over months of use. Each battery individually tested. Stocks always fresh.

No.	Fac. No.	Volts	Type	List Price	YOUR PRICE
5701.	4156	22½	B small, flat 2 lbs.	$1.25	$ .87
5702.	5156	22½	B medium, flat 3 lbs.	1.50	1.05
5703.	2156	22½	B large, flat 6 lbs.	1.75	1.22
5705.	2158	22½	B large, upright 6 lbs.	1.75	1.22
5706.	5308	45	Upright 11 lbs.	2.50	1.75
5707.	2306	45	B large, flat 11 lbs.	2.50	1.75
5708.	2308	45	B battery, large 11 lbs.	2.50	1.75
5709.	10308	45	Heavy duty upright 14 lbs.	3.75	2.63
5710.	5360	4½	C small, plain 1 lb.	.40	.28
5711.	2370	4½	C large, tapped 2 lbs.	.50	.35
5712.	5540	7½	C medium, tapped 1 lb.	.75	.52
5713.	6A	1½	Dry cell A 3 lbs.	.50	.36

EVEREADY 'B' BATTERIES

Nationally known. Always fresh stocks. No. 767 or No. 772 for sets having **less than five tubes.** For **five-tube sets** or larger No. 770 heavy duty, or No. 486 layer built should be used.

Suggest No. 485 and the 762 for the portable set.

Stock No.	Fac. No.	Volts	List Price	YOUR PRICE
5715.	763	22½-volt, small, flat 2 lbs.	$1.50	$1.05
5716.	768	22½-volt medium, flat 2 lbs.	1.75	1.22
5717.	766	22½-volt large, flat, tapped 6 lbs.	2.00	1.40
5719.	767	45-volt, large, flat, tapped 12 lbs.	2.75	2.06
5720.	772	45-volt, large, upright 12 lbs.	2.75	2.06
5721.	770	45-volt, heavy duty, upright	4.00	3.00
5722.	486	45-volt, heavy duty, "Layer Built," upright	4.25	3.20
5723.	771	4½-volt "C", tapped 2 lbs.	.60	.42
5724.	7111	1½-volt, Dry Cell, "A" 3 lbs.	.50	.40
5729.	485	45-volt medium layer built 15 lbs.	2.95	2.22
5730.	762	45-volt, Portable 6 lbs.	2.75	1.93
5731.	779	22½-volt vertical medium 4 lbs.	2.00	1.40

RELIANCE DRY CELLS

Our tremendous distribution of batteries enables us to buy the celebrated Reliance A batteries at an enormous saving. They are fresh stock of high amperage, 1½ volt. Wt., 3 lbs. **No. 5714. Retail 60c. YOUR PRICE.....** **23c**

RCA-Cunningham TUBES
NEW REDUCED PRICES

CX 301A
UX 201A

Amplifier and Detector. General purpose, all around storage battery tube for detector, R.F. or audio circuits. **Fits all standard sockets.** Filament 5 volts, .25 amp. 25-45 volts detector. 67½-90 volts amplifier.

No. 101. List, $1.50. NET **95c**

CX 300A
UX 200A

Detector. Most efficient and sensitive detector. Not at all critical to plate voltage. Considerably more sensitive than 201A as detector. Interchangeable with 201A. Storage battery tube. Filament voltage 5. Current .25 amp. Plate voltage 45.

No. 102. List, $4.00. NET **$2.55**

CX 340—UX 240

High Mu Detector, Amplifier. For use in resistance or impedance coupled amplifier circuits. May be used either as audio detector or amplifier. Has amplification factor of 30. Performs more efficiently than standard 201A tubes in resistance or impedance amplifiers. Filament voltage 5. Filament current .25 amp. Plate voltage 90-180 volts.

No. 111. List $2.00. NET.... **$1.27**

C 299—UV 199
CX 299—UX 199

Detector and Amplifier. Dry battery type tube adaptable to either portable receivers or multi-tube sets in the home. Equally serviceable as detector or highly efficient R.F. or audio amplifier. Economical to operate. Filament voltage 3. .06 amp. Plate voltage 45-90. **CX or UX types will fit standard X sockets only. UV or C type fit small 199 sockets only.** All types identical in characteristics.

No. 103. C 299 or UV 199. List, $2.25. NET... **$1.43**

No. 104. CX 299 or UX 199. List, $2.25. NET **1.43**

WD11-C11-CX12-WX12

Detector—Amplifier. Popular for small receivers for economical operation. Requires only 1½ volt dry cell battery. Filament voltage 1.1. Current .25 ampere. Plate voltage 22½-45 detector, 45-90 amplifier. **CX12 and WX12 fit standard X type sockets. C11 and WD11 fit only special WD11 socket.**

No. 105. CX12—WX12. List, $2.50.

No. 106. C11—WD11. List, $2.50. NET **$1.59**

CX 220—UX 120

Dry Cell Power Amplifier. For use in last stage of audio frequency amplifier. Should be used in last stage of Radiolas or any dry cell operated receiver. **Fits X type socket only.** Filament voltage 3. Current .125. Maximum plate voltage 120. Requires 22½ volt C bias.

No. 110. List, $2.50. NET **$1.59**

AC Tubes

CX 326—UX226

AC Amplifier. For radio frequency and audio circuits. Designed for operation on raw AC at 1½ volts. Filament current 1.05. Plate voltage 90-180 volts. Cannot be used as detector. **Fits standard and UX sockets.** Used in all the popular new AC electric circuits.

No. 112. List, $2.25. NET **$1.43**

C 327—UY 227

AC Detector. Special five prong AC detector of the heater element type. Operates from raw AC at 2½ volts, draws 1.75 amps. Plate voltage 45-90. May be used as a radio frequency or audio frequency amplifier as well as detector though not generally adapted to this use. **Has special five prong base and fits only special Y type socket.**

No. 113. List, $4.00. NET **$2.55**

CX 380
UX 280

Full Wave Rectifier. New full wave rectifier of the filament type. Has rugged filament and extremely long life. Stable in operation. Quiet. The maximum current output is 125 M. A.

No. 116. List, $4.25. NET ... **$2.70**

CX 381—UX 281

Half Wave Rectifier. High voltage rectifier for use with current supply or power amplifiers supplying 310 or 350 power tubes. Rated output is 65 to 110 M. A. In many amplifiers two of these tubes are used to secure full wave rectification and high voltage and high current output. Extremely rugged in construction with ribbon type filament. Long life. Quiet and stable in operation.

No. 117. List, $7.50. NET **$4.77**

CX 374—UX 874

Voltage Regulator. Designed to maintain constant voltage supplied by B eliminator at the different current drains. Also stabilizes output under line voltage variations. With the voltage regulator no variable adjustments are required with the eliminator or power amplifier. Maintains constant potential of 90 volts, also maintains detector and intermediate voltages at uniform potentials.

No. 118. List, $4.75. NET **$3.02**

Power Tubes

CX 371A
UX 171A

Power Amplifier. New power amplifier replaces 171. Has extremely low output impedance. Should be used in the last audio stage only. Draws 20 M.A. at 180 volts with 40 volts C bias, consequently should only be used with some form of output coupling device. May be operated with six volt storage battery or from five volt AC source. Draws .25 amp. at 5 volts. Will handle enormous input without distorting. Has great power output. Low impedance and high power factor provide improved tone quality. Plate voltage 90-180.

No. 108. List, $2.75. NET **$1.75**

CX 112A—UX112A

Power Amplifier-Detector. An improved general purpose tube. Primarily designed as a power amplifier, but also operates efficiently as detector—radio frequency amplifier or audio amplifier. Extremely sensitive. Improved 112A draws only .25 amperes at 5 volts and may be used with 6 volt storage battery or may be operated from 5 volt AC source in the last audio stage. Has higher amplification than 371, but lower power output. Use of coupling device not essential. Plate voltage 90-157½.

No. 107. List, $2.75. NET **$1.75**

CX 310—UX 210

Power Amplifier. High voltage power amplifier capable of handling enormous volume without distortion. Power output exceeding one hundred times the output of 301A. Used singly and also in push-pull circuits in the new popular power amplifiers. Filament voltage 7½ volts. Should be supplied from AC source. Plate voltage 250-425, draws 18 M.A. at maximum plate voltage and should always be used with some output device to protect the speaker from this heavy current. Extremely popular in connection with amplifiers and the new dynamic power speakers.

No. 109. List, $9.00. NET **$5.74**

CX 350—UX 250

New Super-Power Amplifier. Capable of handling far greater volume without distortion or overloading than any receiving tube on the market. Its power output is practically as great as the power output of two 210 power tubes in push-pull. The amplification factor of the 250 is somewhat lower than the 210, but its power output is considerably greater. Popular in the new amplifiers, particularly when used in connection with dynamic power speakers. Maximum plate voltage 450 volts. Maximum current 55 M.A. Filament voltage, 7½. Should be supplied from AC source. The extremely high plate current of the 250 compels the use of some coupling device as essential.

No. 130. List, $11.50. NET.. **$7.32**

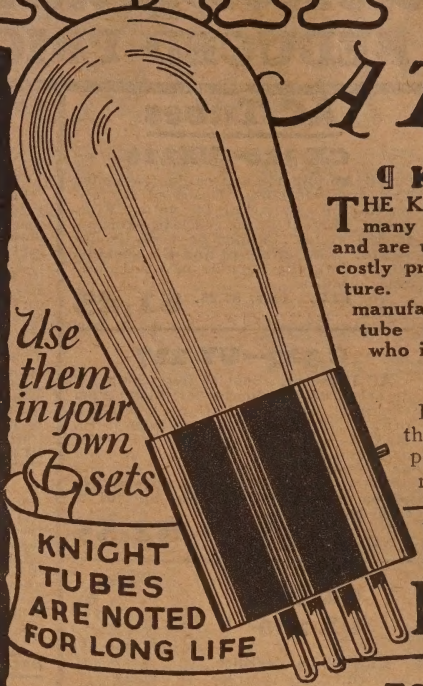
CX 322—UX 222

Screen-Grid Radio Frequency Amplifier. A new four element tube designed particularly for radio frequency amplification. With proper shielding of the radio frequency circuit, neutralizing and stabilizing devices are unnecessary. Filament voltage 3.3. Draws .132 amperes. May be operated with a 6 volt storage battery when used with 15 ohm series resistor. Also adaptable to use with dry cells. Plate voltage 180. Grid voltages 1½ and 22 volts.

No. 250. List, $6.50. NET **$4.14**

KNIGHT SUPER

A TUBE for



¶ KNIGHT QUALITY

THE Knight tubes are distinguished by many special features of construction and are unquestionably made by the most costly process yet used in tube manufacture. They are of a superior quality, manufactured by one of the largest tube manufacturers of the country, who is nationally known.

LABORATORY STANDARD

Knight tubes are selected for their superiority and standard of perfection. They are tested to rigid specifications.

KNIGHT TUBES LABORATORY

TYPE X201A

Amplifier and detector.
Used as radio and audio amplifier on D.C. sets.
Filament Voltage 5 volts.
Filament Current, .25.
Plate voltage maximum 135.
Amplification constant 8-9.

No. 226. List Price, $1.50.

Your Price 59c

TYPE X280

This is a full wave rectifier tube used at 5 volts, drawing 2 amps. with a plate voltage of 300. Used as full wave rectifier in all of the latest type sets.

No. 239. List Price, $4.25.

Your Price $1.80

TYPE X240
High-Mu

This is an amplifier for resistance coupling with an amplification factor of 30. At 5 volt draws 25 amp. Plate voltage 180.

No. 234. List Price, $2.00.

Your Price 76c

TYPE X120

This is a power amplifier tube for use in the last stage of a set using 199 tubes. Operates at 3 volts. Draws .125 amp. Plate voltage 135.

No. 229. List Price $2.50.

Your Price 95c

Be the Live Dealer in Your Town

Regardless of what status your radio business is in, the live progressive dealer takes a good line like the Knight tube and pushes it. It will profit him in sales and should increase his volume.

PROFIT

Profit should be figured on the basis of larger gross profits and bigger sales. Good tubes like the Knight tube offers every means of increasing your profit by quick turnover.

EQUIP YOUR SETS WITH KNIGHT TUBES

For standard equipment and original equipment on radio sets that you sell, it will pay you to use Knight tubes. These tubes offer you a margin of profit and a standard of quality which should make the sets operate at their highest efficiency and have the life that a good tube is designed to have. As standard equipment or for replacement they cannot be beat.

BETTER TONE—MORE POWER

It is the quality of tone and the "pep" that produce results. It is the power of the power amplifier tube and the uniform amplification of each of them which produce the results from a good set. Give your set an opportunity to perform with a good tube.

POCKET THE EXTRA PROFIT

Profits and margin of profit pyramid themselves. A perfect tube need not cost any more than the Knight offer, regardless of what kind it is or for what purpose it is used. Pocket the extra profit on the purchase and sale of Knight tubes.

TYPE X199

The 199 is a dry cell amplifier and detector tube drawing .06 amps. at 3 volts. Plate voltage 90.

No. 228. List Price $2.25.

Your Price 89c

TYPE X171

This is a powered amplifier tube drawing .5 amp. at 5 volts. Plate voltage 180. Used as a last stage audio amplifier in most modern radio sets.

No. 232. List Price $2.75.

Your Price $1.19

TYPE X112A
Power Amplifier

Used as a power amplifier tube in last stage. At 5 volts draws .25 amps. Maximum plate voltage 180.

No. 231. List Price, $2.75.

Your Price $1.19

TYPE X281
Rectifier, Half Wave

The type X281 is a half wave rectifier with a filament voltage of 7.5 and a filament current of 1.25. Used as a half wave rectifier in power amplifiers and "B" supplies.

No. 238. List Price, $7.50.

Your Price $2.85

RADIO TUBES

EVERY NEED

¶ KNIGHT VITALITY

T is the long life of a tube which counts Knight tubes are with bakelite bases, illed prongs. The plate, grid and filament elements are supported by a bridge. THE MANUFACTURER HAS DESIGNED THEM TO TAND UP WITH THE BEST ON THE MARKET.

BUILT-IN QUALITY

A tube may be just a tube or it may have been manufactured properly. From the information we have, his tube is put through a process f evacuation, eliminating moisture nd detrimental gases. Liquid ir is used as a freezing agent. Knight tubes are among the finst made.

You can now Make Profit on Tube Sales

REPLACE WITH KNIGHT TUBES WHY PAY MORE

ARE BUILT TO A STANDARD

BETTER RECEPTION—and how!

Each and every Knight tube is tested in our own laboratory for the important factors that enter into making a tube which is right in every respect. Our procedure is costly but it enables us to ship a tube which the manufacturer claims is perfect and enables you to handle a complete line of tubes which according to our tests prove themselves to be first-class.

Newer, Better Tubes

As time and scientific research bring their developments, so are the latest developments being put in all quality tubes. Additional refinements and developments all help.

FREE

$12.50 Tube Checker

We offer you a tube checker which will operate on either A.C. or D.C. tubes, range 0 to 6 volts and 0 to 10 mills. For dealer or serviceman, this tube checker will be given with any purchase of 50 assorted KNIGHT TUBES ONLY.

YOUR OWN TEST ON KNIGHT TUBES WILL SHOW THEIR QUALITY

Test all your tubes. Make up an order of 50 assorted Knight tubes and obtain this tube checker free. Knight tubes will be sold in less than 50 lots only at the prices shown. In lots of 50 Knight tubes only, we will ship you this **Readrite** $12.50 tube tester without additional charge. This offer applies to none other than Knight tubes.

DON'T FORGET THIS WILL TEST A.C. OR D.C. TUBES, INCLUDES A METER RANGE FROM 0 to 300 VOLTS.

CONCENTRATE on KNIGHT TUBES

TYPE X171A
Power Amplifier

Used as a power amplifier taking the place of the 171. Used in the last stage audio only or in push-pull. Draws .25 amperes. An exceptionally good power amplifier tube.

No. 235. List Price, $2.75.

Your Price $1.19

TYPE X222
Shielded Grid R. F. Amplifier

Amplification Factor of 300

Plate voltage 180. Filament voltage 3.3. Truly a wonderful radio frequency tube for sets designed for its use.

No. 237. List Price, $6.50.

Your Price $2.47

TYPE 222 A. C.
Shielded Grid Tube

This is the latest shielded grid A.C. tube, lately perfected with a very high amplification factor for radio frequency amplification.

No. 236. List Price, $8.00.

Your Price $3.04

TYPE X200A

This is a special super-sensitive detector tube. Used instead of 201A for greater sensitivity.

No. 230. List Price, $4.00.

Your Price $1.52

TYPE X201B

Used also as model 201A as a detector and amplifier tube. Very sensitive as a radio or audio amplifier.

No. 227. List Price, $3.00.

Your Price $1.20

TYPE X226 A. C.
A. C. Amplifier

The type 226 is an A.C. tube used in all modern A.C. sets for radio and audio amplification. Draws 1.05 amps. at 1½ volts with a plate voltage of 90-180 volts maximum.

No. 247. List Price, $2.25.

Your Price 95c

TYPE Y227 A. C.
Detector Tube

The type Y227 is an A.C. detector tube used in the detector stage of all modern radio A.C. sets. It is a heater type tube, voltage 2.5, amperage 1.75, D.C. plate voltage 45-90.

No. 248. List Price, $4.00.

Your Price $1.75

TYPE X250
Power Amplifier

This is the latest 250 power amplifier tube. Filament voltage 7.5. Plate voltage 450 volts maximum. Filament current 1.25 amp. A real powerful tube.

No. 240. List Price, $11.50.

Your Price $4.70

TYPE X210
Power Amplifier

This is a power amplifier tube also of the latest type. Both this and the 250 are used in the last stages of radio sets designed for it. Plate voltage 425. Filament voltage 7.5.

No. 233. List Price, $9.00.

Your Price $3.55

LONGER LIFE QUALITY TUBES — CECO TUBES — ALL TYPES FOR ALL PURPOSES

[Ceco Tubes need no introduction to the radio dealer and enthusiast. They have long been recognized as one of the country's foremost quality line of tubes. Their sterling quality has won for them an enviable reputation with all who desire the utmost in tube efficiency.]

General Purpose Tubes

TYPE "AX." 201A type. Excellent detector and amplifier for any circuit. Noted for uniformity and marked efficiency. Standard UX base. Filament volts, 5. Filament amps., .25. Plate volt, 45-135.
No. 251. Retail, $1.50. YOUR PRICE... 88c

TYPE "201-B." 201B type tube. Similar to the **Type "AX"** above, except filament amp. is half the drain, saving "A" battery supply. Special process dull burning filament. Grid bias required where plate voltage exceeds 45 volts. Filament volts, 5. Filament amps., .125. Maximum plate voltage, 135. Standard UX base.
No. 252. Retail, $3.50. YOUR PRICE..... $2.06

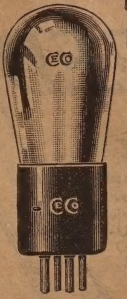
TYPE "BX." Standard 199 type tube for dry cell use. Good detector and amplifier. Standard UX base. Filament volts, 3. Filament amps., .06. Plate volts, 45-90.
No. 253. Retail, $2.00. YOUR PRICE..... $1.18

TYPE "B." Similar to type "BX," except with short prong UV type base.
No. 254. Retail, $2.00. YOUR PRICE..... $1.18

TYPE "E." Corresponds to UX120 and is a power amplifier for dry cell use. Filament volts, 3. Filament amps., .125. Plate volts, 90-180. Standard UX base.
No. 255. Retail, $2.50. YOUR PRICE..... $1.47

TYPE "H." 200A type and special detector. Standard UX base. Filament volts, 5. Filament amps., .25. Plate volts, 67-90.
No. 256. Retail, $2.50. YOUR PRICE..... $1.47

A.C. Tubes



These are new CECO AC types of tubes to meet AC operation needs.

TYPE "M-26." General purpose A.C. tube similar to type 226. For all standard A.C. sets. Careful construction assures long life. Filament volts, 1.5. Filament current, 1.05. Plate voltage not over 180 volts.
No. 260. Retail, $2.25. YOUR PRICE $1.32

TYPE "N.27." Special A.C. tube of the seperate heater type, used as a detector or amplifier. Has new 5-prong base. Heater volts, 2.5. Heater amps., 1.75. Plate volts, as detector, 45; as an amplifier, 90-135—not over 180.
No. 261. Retail, $4.00. YOUR PRICE.. $2.35

TYPE "AC-22." Shielded grid type using A.C. on the heater filament. Similar to the R.F.22. Provides increased amplification, and has special circuits designed for it. Also for television circuits. Filament volts, 2.5. Filament amps., 1.75. Plate volts not to exceed 180. New UY 5-prong base.
No. 262. Retail, $8.00. YOUR PRICE.. $4.70

Special Purpose Tubes

TYPE "R.F.22." Shielded grid four-element tube similar to the UX222. Used in any set requiring this type tube. Filament volts, 3.3. Filament amps., 135. Control grid bias, 1 to 1.5. Screen grid bias, +45. Standard UX base.
No. 257. Retail, $6.50. YOUR PRICE... $3.82

TYPE "K." A special tube for the R.F. stages of the average set. Improves reception. Filament volts, 5. Filament amps., .25. Plate volts, 67-140. Standard UX base.
No. 258. Retail, $3.00. YOUR PRICE. $1.76

Power Tubes

TYPE "F-12-A." Power tube like standard type 112A tube, for the last stage of audio. For battery or A.C. operation. Filament volts, 5. Filament amps., .25. Plate volts, 90-180. Standard UX base.
No. 263. Retail $2.75. YOUR PRICE.. $1.62

Type "1-71-A." Similar to the 171A power tube. Handles largest loud speaker, full volume. Filament volts, 5. Filament amps., .25. Plate volts, 90-180.
No. 264. Retail, $2.75. YOUR PRICE.. $1.62

TYPE "L.10." Like the UX210 type power tube for plate voltages up to 425 volts. Used in special Power Packs and sets for high voltage. Filament volts, 7.5. Filament amps., 1.25 Plate volts, 425. Stand. UX base.
No. 265. Retail, $9.00. YOUR PRICE... $5.29

TYPE "L.50." Like ae new 250 type power tube for plate voltages up to 450 volts. Handles 3 times the output of the **Type L.10.** Filament volts, 7.5. Filament amps., .25. Plate volts, 450. Standard UX base.
No. 266. Retail. $11.50. YOUR PRICE. $6.76

Rectifiers

TYPE "R.80." Like the 280 type tube. A full wave rectifier of high emission. For use in "A," "B" or "C" Eliminators or Power Packs. Special process fi a ment. Filament volts, 5. Filament amps., 2. A.C. volts, 300. D.C. mil., 125. Standard UX base.
No. 267. Retail, $4.25. YOUR PRICE.....$2.50

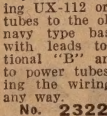
TYPE "R.81." Like Type 281 rectifier tubes. A half wave rectifier of high emission. For use in "A," "B" or "C" Eliminators.
No. 268. Retail, $7.50. YOUR PRICE..... $4.41

Carter Adapters

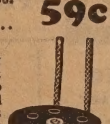
Carter adapters are in general use and provide a simple means for using the new types of tubes in many of the older receivers.

TYPE "3A." For adapting UX and CX types of tubes to WD-11 sockets.
No. 2320. Retail, 50c. YOUR PRICE.... 29c

TYPE "171." For adapting UX-112 or UX-171 power tubes to the old type 201A or navy type base. Furnished with leads to provide additional "B" and "C" voltage to power tubes without altering the wiring of the set in any way.
No. 2322. Retail, $1.00. YOUR PRICE 59c



CARTER "A.C." Adapt A.C. tubes to all standard sets. Makes possible the conversion of battery sets for A.C. operation. Two types of adapters provided. One for the 4-prong 226 amplifier tube, and one for the 5-prong 227 heater detector.



No. 7076. Type 26 for UX226 tubes. **Retail, 90c. YOUR PRICE..... 53c**

No. 7077. Type 27 for 5-prong UX227 detector tubes. **Retail, $1.10. YOUR PRICE.. 65c**

New McCullough A. C. Tubes

For new A.C. operation of sets. Operates directly from the house lighting current through the use of a step-down transformer. Quiet operation. No hum. Non-microphonic. Better tone quality. Extremely rugged with long life. No burn-outs.
No. 242. Detector Amplifier. **Retail, $5.00. YOUR PRICE $3.24**

New Sovereign A. C. Tubes

Heater type requiring no "A" batteries for filament operation. Actuated direct from the house lighting current through a step-down transformer. Converts any radio set into an A.C. set.
No. 245. A.C. Tube. **Retail, $5.00. YOUR PRICE $2.89**

McDonald Howl Arrester

Will eliminate any tube howl due to microphonic disturbances. Indispensable for use on sensitive detector tubes. Should be used on every tube in the receiver. Greatly improves reception and stops oscillation.
No. 2324. For 201A or tubes of same shape. **Retail, 75c. YOUR PRICE..... 44c**

Naald Connectoralds

TYPE "942." For testing A.C. or D.C. tubes. in D.C. tube tester. Consists of two adapters with a cable between and extra twisted pair of wires to connect wih an A.C. heater. Indispensable to service men.
No. 269. Retail, $4.00. YOUR PRICE $2.35

TYPE "946." For connecting electric phonograph pick-ups to radio sets. Unique design. One wire connects to one side of the pick-up —other wire from the pick-up attaches to the second wire or connector which in turn goes to the 45-volt "B" battery. Recommended wherever phonograph pick-ups are used.
No. 270. Retail, $1.50. YOUR PRICE..... 88c

TYPE "947." Similar to type 946 except designed especially for Victor phonographs. Takes the output of the detector tube and feeds it to an external audio or power amplifier. Endorsed by Victor Talking Machine Co.
No. 271. Retail, $1.50. YOUR PRICE 88c

TYPE "948." Connects electric pick-ups to the new A.C. sets. Takes standard 5-prong A.C. detector tubes. Two wires go into it connecting in series with the plate to attach an electric phonograph pick-up to an A.C. set. Highly recommended.
No. 272. Retail, $1.50. YOUR PRICE. 88c

Type "920." This connecterald will hold any standard tube upright in a UV199 socket. No change in set or wiring is necessary. A real value.
No. 273. Retail, $1.25. YOUR PRICE... 73c

HYLON TUBES

HIGHEST IN QUALITY - LOWEST IN PRICE

THE tremendous popularity of Hylon Tubes has been won in the face of keenest competition, due to their reliability, long life, and matched uniformity. Hylon Tubes need no introduction to the radio enthusiast who demands quality in reception.

ORDER A SET NOW

EVERY TUBE IS TESTED

THE HYLON QUALITY PLEDGE

Modern automatic machinery of superior design is used in the manufacture of Hylon Tubes. The time saved by this, permits a most rigid and larger number of inspections on every tube; resulting in a more uniform quality at no advanced cost—and it assures you of an inherent stamina in every Hylon Tube, that spells lasting pleasure for the user.

201A Type
DET—AMP
No. 200 Retails $1.50
47c

171 Type
POWER TUBE
No. 204 Retails $2.75
81c

WHY PAY MORE

Hylon offers you a perfect radio tube at a price you can afford to pay. Hylon quality will never be sacrificed for price—yet Hylon prices enable you to sell a quality tube below the market, and still make a reasonable profit.

Priced Less Than Jobbers' Wholesale

Hylon offers you a quality line of tubes—priced actually below jobbers' wholesale prices. They enable you to make a profit on your tube sales—to put your service calls on the right side of the ledger. The quality built into each tube assures full efficiency in every Hylon turned out. Every tube passes the most exacting tests before it can be released.

EQUIP ALL YOUR SETS WITH HYLONS

Try switching Hylons in your own set. You will be amazed at their overwhelming volume and richness of tone, as well as their extreme sensitiveness. Their rigidly supported internal elements result in an almost complete absence of microphonic noises—producing natural, smooth, powerful reception.

HYLONIZE YOUR SET AND NOTE THE DIFFERENCE

Type 226 A.C. Radio and Audio Amplifier. No. 189. List, $2.25. YOUR PRICE **79c**	**Type Y227** A.C. Detector Tube. No. 190. List, $4.00. YOUR PRICE **1.35**	**Type X199** No. 201. List, $2.25. YOUR PRICE **68c**	**Type X112A** No. 203. List, $2.75. YOUR PRICE **81c**	**Type X120** Dry Cell Amplifier. No. 196. List, $2.50. YOUR PRICE **75c**	**Type X240** Hi-Mu. No. 198. List, $2.00. YOUR PRICE **60c**	**Type X201A** No. 200. List, $1.50. YOUR PRICE **47c**	**Type X171A** No. 191. List, $2.75. YOUR PRICE **81c**
Type X280 Full Wave Rectifier. No. 192. List, $4.25. YOUR PRICE **1.35**	**Type X222** Shielded Grid Amplifier. No. 193. List, $6.50. YOUR PRICE **1.95**	**Type X171** No. 204. List, $2.75. YOUR PRICE **81c**	**Type 200A** Detector Tube. No. 202. List, $4.00. YOUR PRICE **98c**	**Type X281** Half - Wave Rectifier. No. 197. List, $7.50. YOUR PRICE **2.25**	**Type X222** A.C. No. 199. List, $8.00. YOUR PRICE **2.40**	**Type X210** Power Amplifier Tube. No. 194. List, $9.00. YOUR PRICE **2.70**	**Type X250** Power Amplifier. No. 195. List, $11.50. YOUR PRICE **2.70**

NUTONE Tested Tubes

Economy Long Life Tubes

At the lowest price we offer the greatest radio value. First quality, first grade standard tested tubes at the lowest price ever before offered.

We recommend the use of Nutone tubes in any and all radio sets. The low price of these tubes in no way indicates their value. They may be used in the highest priced radio receivers for new tone—increased volume and greater power and sensitivity. Nutone tubes are worth every bit of $1.50. **They are highest grade, tested to highest standards and laboratory approved.** Latest type construction. Elements firmly and ruggedly supported. Non-microphonic. Genuine thoreated Tungsten filaments properly aged. May be reactivated. Excellent detector and amplifier. Used in all stages of radio receivers. **Genuine molded bakelite base and tipless construction.** Filament operates at 5 volts, ¼ ampere. Plate voltage, 20 to 135.

Laboratory Tested—Type 201A

Each and every Nutone tube is tested before we send them to you. The tubes are tested under the most rigid conditions. They are tested not only for oscillation, filament and plate current and amplification current but also for plate impedance and mutual conductance. All tubes are tested under actual operating conditions. As our laboratory standards require that all tubes test within definite limits you may be assured that all tubes are uniform and may even be used as matched tubes in superheterodyne circuits.

Type 201A Tubes—A Tremendous Value
Type 201A—No. B7070—List $1.50
YOUR SPECIAL NET WHOLESALE PRICE 39c

Our Special Shielded Screen Grid Tubes

For Dry Cells or Storage Battery

This tube has an amplification constant of anywhere from 175 to 300. Designed for use as a radio frequency amplifier and is capable of giving ten times the amplification obtainable from 201A tubes. Because it is a shielded grid, circuits using this shielded grid tube will usually not oscillate providing the input is shielded.

No. 274—List Price, $6.50. Your Price **$2.86**

Genuine RAYTHEON Rectifier Tubes

Designed for "B" battery elimination and used in practically all standard "B" eliminators. Type "B" has a maximum output of 150 volts at 60 mils. Types B.H. will deliver 180 volts at 80-120 mills with transformer and chokes designed for this high voltage and current.

No. B205. Type B. List, $4.50. YOUR PRICE **$2.65**

No. B206. New Type B.H. List.. $4.50. YOUR PRICE... **$2.65**

Raytheon "A"

Raytheon "A" cartridge is a 2½ ampere half-wave rectifier. Two cartridges may be used for full wave rectification with 5 amp. output. Used in many chargers.

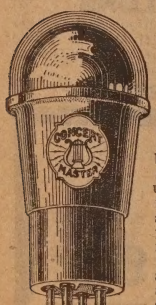
No. 3024. List $4.50. YOUR PRICE **$2.65**

Continental Tubes

We here present a remarkable tube value. Continental tubes are of splendid quality, scientifically constructed, and well advertised. All popular types are listed. The following exceptionally attractive prices will undoubtedly mean increased tube sales.

No.	Type	List	Your Price
7062	201A	1.00	$0.59
7063	X199	1.25	.75
7064	200A	2.50	1.47
7065	171	2.50	1.47
7066	112	2.00	1.18
7069	280	4.00	2.35

Concert Master Copper Shielded Tubes



Completely encased in a copper shield. Protects tubes from breakage, shields elements. The manufacturer claims that it prevents howls, squeals and microphonic noises. Will fit most any set. This is a good tube, substantially constructed and a real quality product.

		List	NET
B215.	201A	$2.50	$1.46
B216.	X199	2.50	
B217.	X200A Detector	4.50	NET
B218.	X112 Power tube	4.50	$2.35
B219.	X171	4.50	

ARCTURUS TUBES

15-Volt A. C.

The first four prong 15 volt line of A.C. tubes. The first line of 2.5 volt five prong detector tube and also the first A.C. shield grid tube on the market.

For the experimenter and the set builder and also as replacement in sets using Arcturus tubes.

No. 275. Type 26 four prong A.C. 15 volt detector tube. **List, $5.00 YOUR PRICE....** **$2.94**

No. 276. Type 28 15 volt amplifier tube, four prong. **List, $4.00. YOUR PRICE..** **$2.35**

No. 277. Type 127 quick acting 2.5 volt, five prong A.C. detector. **List, $5.00. YOUR PRICE .....** **$2.94**

No. 278. Type 30 four prong A.C. power tube, 15 volt. **List, $4.00. YOUR PRICE..** **$2.35**

No. 279. Type 22 A.C. shield grid tube. **List, $7.50. YOUR PRICE .....** **$4.41**

Shield Plate Tube

A. C. and D. C.

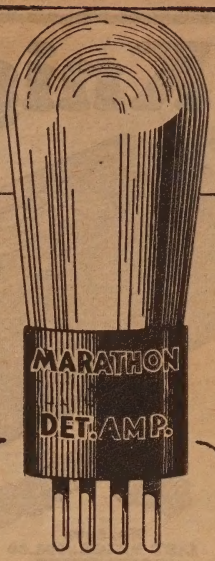
Shielded grid amplifier is non-oscillating and non-critical. It is a revolutionary development. Designed for use as a radio frequency amplifier. Has amplification factor of from 175 to 300. This is enormous in comparison to the 201A, which has an amplification factor of only 6 to 8. Non-oscillating when used in shielded circuits. Filament voltage 3.3. Filament current .133. Plate 90 to 135.

No. B7075. List $6.50. YOUR PRICE..... **$3.72**

The A.C. Shield Plate Tube. A shielded grid tube used for A.C.

No. B7078. List $7.00. YOUR PRICE..... **4.12**

MARATHON RADIO TUBES



MARATHON'S tremendous following among radio dealers and enthusiasts throughout the country, is due to the actual performance of Marathon Tubes. Marathon's superior manufacturing facilities—coupled with their many years' experience in tube construction, has resulted in a line of tubes noted for their long life, ruggedness, and extreme sensitiveness.

IMPROVED RECEPTION WITH MARATHONS

To get the most from your receiver, you must have perfect tubes. You will do well to standardize on tubes of proven quality. Marathon's justly earned reputation for quality tubes, stands squarely back of every Marathon Tube you sell. A trip through the Marathon Tube Plant will prove a liberal education to you in the precision, care and careful testing that manifests itself in every operation in their manufacture.

THE MARATHON REPUTATION FOR SUPER QUALITY

Marathon quality stands today as an achievement, backed by years of manufacturing experience, and thousands of dollars expended in laboratory equipment and experimenting. All of which finds its culmination in the perfected Marathon Line of Tubes, as offered you today.

A TEST WILL CONVINCE YOU

In the face of the many superfluous claims made of tubes today, we say **order a sample set of Marathons and test them.** An actual test, under operating conditions will quickly convince you that Marathon's claims for quality are justified. National advertising has already acquainted the buying public—establishing a consumer confidence that assures you of a ready market for the Marathon Tubes you offer to your trade.

A COMPLETE LINE OF TUBES

Marathon offers a complete line of tubes, enabling you to standardize your tube business on one line. The attractive two-color carton in which Marathons are packed, will liven up the appearance of your shelves, and keep your stock moving.

ORDER A SET TODAY

MARATHON A. C. TUBES

Type A. C. 226 Amplifier

Type A.C. 226 operated from A.C. current used for amplifier purposes only. Draws 1.05 ampere. Fits standard and U.X. Sockets. D.C. plate 90-180 volt max.

No. 301. List, $2.25. NET **1.10**

Type A. C. 227 Detector

This is the heater type tube used as a detector in all A.C. radio sets using the 226 and 227 tubes.

No. 302. List Price, $4.00. NET **1.96**

Type X201A

Detector-Amplifier.

No. 303. List Price, $1.50. NET. **73c**

Type X171A

Latest power amplifier tube. Draws only .25 ampere. Takes the place of the 171.

No. 304. List, $2.75. NET **1.35**

Type X112A

Power amplifier tube for audio purposes drawing ¼ amp.

No. 305. List Price, $2.75. NET **1.35**

Type X200A

Special detector tube, low consumption. Sensitive.

No. 308. List, $4.00. NET **1.96**

Type X280

Full wave rectifier tube. Output 125 mills.

No. 307. List, $4.25. NET **2.08**

Type X210

Power amplifier tube 7.5 volt. Very high plate current from "B" eliminator.

No. 306. List, $9.00. NET **4.41**

Type X222

Special shielded grid tube.

No. 310. List, $6.50. NET **3.18**

Type X240

High-Mu Detector Amplifier.

No. 312. List Price, $2.00. NET **98c**

Type X250

Super power amplifier. Max. 450 v. Draws max. 55 mills, filament 7½ v. A.C.

No. 309. List, $11.50. NET **5.64**

Type X199

Dry battery tube drawing .06 amp.

No. 311. List Price, $2.25. NET **1.10**

Type X120

Amplifier tube for the dry cell type. Last stage.

No. 313. List, $2.50. NET **1.22**

Type X281

Half wave rectifier. Output 65-110 mil.

No. 314. List, $7.50. NET **3.67**

$12.50 Tester Tube FREE

A. C. or D. C.

With each purchase of 50 Marathon tubes, either of one kind or assorted, we offer the dealer a special premium of a $12.50 tube tester FREE OF CHARGE. This tester will test either A.C. or D.C. tubes.

This is the Readrite tube tester and will serve for all purposes for an A.C. or D.C. tube tester.

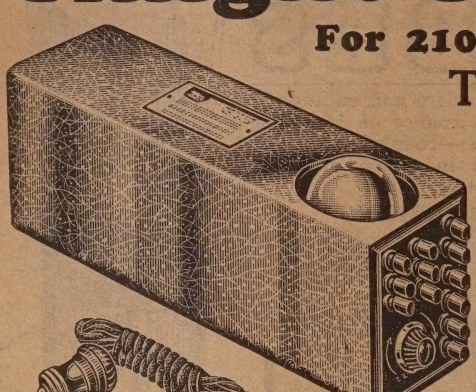
Buy a lot of 50 Marathon Tubes. Sell them and in addition to the regular profit, you have the tube tester.

No. 315

Mention this offer number on your order. In ordering any 50 assorted tubes, specify them in their individual stock numbers and type. There are no strings attached to it and you get the same quality Marathon tubes.

Knight HiVolt 450-Volt Power Supply

For 210 and 250 TYPE TUBES



No. 8002
LIST PRICE, $58.00
YOUR PRICE

28.45

THE new type 250 and 210 power amplifying tubes have practically revolutionized the popular conception of realistic reproduction by their remarkable performance. The high "B" voltages required for the proper operation of these tubes has, until now, stood in the way of general public acceptance of the wonderful tone quality and volume these tubes make possible. Now for the first time you are offered in the Knight Hivolt Power Supply a compact practical unit that adapts these tubes to present-day receivers, at a price that puts it within reach of all.

NEW TONE AND VOLUME

The wonderful tone quality and volume in reproduction made possible with the 210 type or 250 type power amplifying tubes is now made available to the radio enthusiast who is satisfied with nothing short of the finest. Quality amplification at tremendous volume can be had without a hint of distortion. Your present receiver so far as volume and tone are concerned can be made as good as the finest.

SUPPLIES ALL NECESSARY "B" VOLTAGES

In the Knight Hivolt power supply, using one type 281 tube, "B" voltages are supplied for any receiver at 425, 135, 90, 22 and 22-90 variable, as well as "A" and "C" voltages for a type 210 or 250 power tube. Any receiver using A.C. tubes may derive all "A," "B" and "C" power from the Knight Hivolt including all "B" voltages as above and 4 amperes at 1½ volts, 3.5 amperes at 2¼ volts, 2½ amperes at 7½ volts and all necessary "C" bias for the A.C. tubes. Supplied with an adapter that is inserted in the last tube socket of the set, and a 210 or 250 is inserted in the adapter.

MODERNIZE YOUR RECEIVER

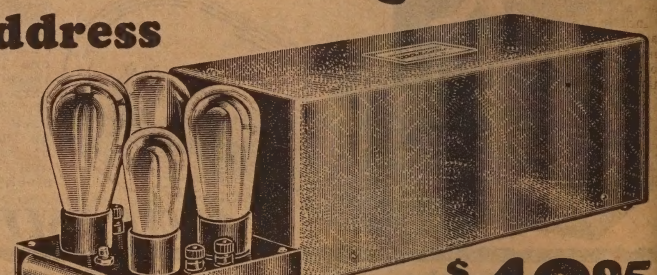
Any radio receiver that is equipped with good audio transformers can be made to give super-power volume and improved tone quality with the Knight Hivolt power supply. No changes are necessary in the radio receiver. Furnished in crackle-finished metal case 3⅞ in. wide, 5¼ in. high and 17 in. long. Less tube. A real value.

No. 8002. List Price $58.00. Net.....

28.45

Super Power Amplifier

"250" Public Address and Movie Amplifier



YOUR PRICE **$49.95**

THE advent of the new type 250 power tube has established a new standard of perfection in tonal reproduction and distortionless volume. The tremendous demand on the part of the radio-buying public for improved tone quality finds its answer in this famous Super-Power Amplifier employing the new type 250 Power tube. Its high output adapts it for use in public address systems, large halls and other places where unusual volume is wanted coupled with real tone quality. Equipped with microphone input transformer and furnished with binding posts adapting it to either public address or phono-movie amplification.

TREMENDOUS AMPLIFICATION

This famous Super-Power Amplifier is entirely self-contained. It supplies all necessary "A," "B" and "C" voltages to the tubes, making installation a simple procedure. Efficient design supplies to both the type X226 and the X250 power tube the full recommended voltage assuring the utmost quality in output.

For LARGE HALLS—AUDITORIUMS

The Super-Power Amplifier will prove ideal for use in dance halls, auditoriums, theatres, hospitals, hotels, etc., where power of amplification is desired along with the utmost in tone quality. Its full volume capacity is far in excess of that required under all normal operating conditions—yet this reserve power is always ready for use when needed. Will adequately cover theatres with seating capacity up to 3000.

THE DEMAND FOR BETTER TONE

The new 250 power amplifying tube stands forth today as the tube manufacturers' crowning achievement—their contribution to improved tone quality and volume in radio reproduction. The demand of the public for better tone quality has created a tremendous market for power amplifiers employing the famous 250 power tube. While this tube is capable of tremendous volume, its real value lies in its ability to reproduce at any volume without distortion, making it desirable for use in the home where the utmost in tone quality is desired.

ENGINEERED TO A NEW PERFECTION

Designed and constructed in the laboratories of the Silver-Marshall Co., the Super-Power Amplifier stands forth as one of the season's premier developments in power amplifiers. Its large, well designed filtering system—the heavy, oversize transformers and general arrangement of parts provides a wide safety factor, assuring long, uninterrupted service and freedom from breakdowns. Its tremendous, undistorted output adapts it for use wherever a super-power amplifier is required.

COMPLETELY WIRED—READY TO OPERATE

The Super-Power Amplifier is a complete, self-contained unit requiring only to be plugged into the electric light socket. Supplies all necessary "A," "B" and "C" power to its own tubes. Tubes not included. Operation requires one type X250 power tube, one X226 A.C. tube and two type X281 rectifier tubes. Housed in an attractive brown crystalline finish metal cabinet.

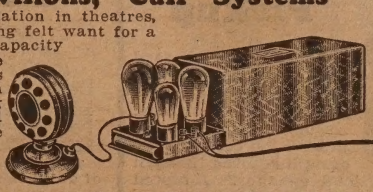
No. 8003. List $125.00. Your Price

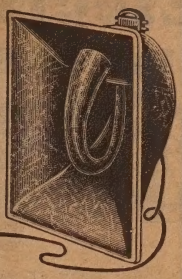
$49.95

Public Address System

for Theatres, Movies, Auditoriums, Conventions, Dance Halls, Hotels, Restaurants, Pavilions, Call Systems

A complete Public Address system ready for installation in theatres, auditoriums, dance halls, conventions, etc. It fills a long felt want for a moderately priced amplifying system having sufficient capacity for use in the largest halls. The amplifier employs the new type 250 power tube making possible tremendous amplification without blast or distortion. The mammoth air column horn is of true exponential design having an air column of 12½ feet, making for proper sound amplification and the retention of low notes. May be used with microphone for any public address purpose or with pickup and phonograph for tremendous amplification and powerful reproduction of phonograph records.





Complete Installation

A gigantic dynamic unit of the six-volt DC type is included. This unit is of special design being particularly adapted for use with large size air column speakers in Public Address amplifying systems. A genuine Kellogg table type Microphone noted for its extreme sensitivity is included as part of the assembly. Voice articulation is natural and clear, unlike the usual harsh reproduction of most types of public address system.

Complete—Ready to Operate

Includes one microphone, one power amplifier, one public address air column horn, one dynamic unit, one six-volt storage battery, two type 281 tubes, one type 226 tube and one type 250 power tube. Everything necessary for operation.

No. 8743. List, $800.00. YOUR PRICE.. **$325.00**

Kellogg Double Button Microphone

No. 6568. Without case. Wt., 20 lbs. YOUR PRICE.. **$100.00**

No. 6569. Table Type Microphone Case. YOUR PRICE.. **$25.00**

Carter Phono-Radio Switch

A new simplified method of switching from phonograph to radio. Consists of an adapter for plugging into detector socket of radio receiver, a special phonograph-radio switch with connecting cords. Simply plug into the detector socket of any radio receiver, place the detector tube in the adapter socket, connect pick-up in the usual way and **you may switch from phonograph to radio at will.**

No. 6563. With D.C. adapter for battery sets. **No. 6564.** With A.C. adapter for all A.C. sets. List, $2.75. NET. YOUR PRICE..... **$1.62**

Public Address Horn

A new mammoth size air column unit of true exponential design. Provides an air column length of 12½ feet. Ideal for all forms of public address and theatre installations. The large size bell measures 30x45 inches. Depth, 31 inches. For utmost efficiency in operation, a dynamic type unit should be employed. Recommended as an unusual value.

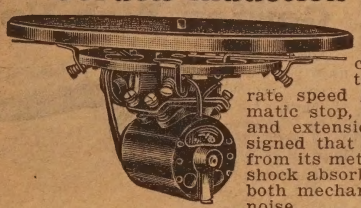
No. 8040. List, $125.00. YOUR PRICE..... **$60.00**

Dynamic Power Unit

A specially designed power dynamic unit for use with air column horn speakers. This unit is of the six-volt D.C. type requiring a six or twelve-volt storage battery for field current supply. Provides tremendous volume without distortion. Will handle up to four type 250 power tubes. Furnished complete with coupling transformer.

No. 8041. List, $150.00. YOUR PRICE..... **$65.00**

Gordon Induction Motor



Electric

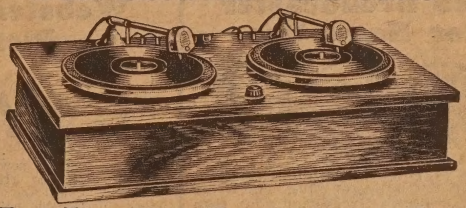
Furnished complete with turn table, accurate speed governor, automatic stop, mounting plate and extension cord, so designed that it is suspended from its metal base through shock absorbers eliminating both mechanical and motor noise.

Complete—Ready to Install

The motor is of an induction type having no brushes or cut-out switch to set up disturbances in the receiver. Has indirect drive through covered steel spring belt; provides a speed range of from 70 to 90 R.P.M. as desired; speed is controlled by a three-ball centrifugal governor; designed for use on 110-volt, 50-60-cycle A.C.; requires a space 7½ inches in diameter for motor plate and 4¾ inches deep. Turn table is of standard 12-inch pressed steel, attractively nickel plated with felt surface.

No. 6572. Retail Price, $37.50. YOUR PRICE **$20.25**

Dual Electrical Turn Table



For Theatres, Restaurants, Etc.

A dual electrical turn table, ideal for use in theatres, restaurants, undertaking establishments, etc., where it is desired to reproduce music electrically from phonograph records. The dual arrangement of this unit permits for continuous reproduction of music with no lapse of time for changing records, etc. As one record nears its end the second one is started and a control switch enables the operator to blend the music from the finished record into the music of the new record. Finest equipment throughout. Electrically operated with silent induction type motors and improved pick-ups. The power amplifier and speaker necessary for operation are not included. A real value. Ideal for theatres in conjunction with Public Address System described above.

No. 8744. List, $250.00. NET..... **$120.00**

Pick-Up and Tone Arm

A special phonograph pick-up designed for permanent installation with any phonograph. A high quality product. **The pickup device is extremely sensitive.** It will pass the record registrations on to the amplifier without distortion, producing an unusual degree of volume. The tone arm is of the latest design swivel turn back type. The arm and pick-up are bronze finished. Wt., 8 lbs.

No. 6565. List, $20.00. YOUR PRICE..... **$9.85**

Turn Table

Twelve-inch Phonograph turn table of finest quality. Designed for use with the General Electric Induction Motor but is adaptable to any type phonograph. Finished in bronze with felt covering to protect record surface. Wt., 5 lbs.

No. 6566. YOUR PRICE.. **$1.20**

TONE ARM

Swivel tone arm for use with any phonograph and any electrical pick-up head. Excellent quality—finely finished. For permanent installation with any phonograph. Wt., 4 lbs.

No. 6562. YOUR PRICE.. **$4.65**

Gordon Pick-Up

The new phonograph electrical pick-up that is superior to anything you have ever heard. Reproduces phonograph records through the radio amplifier and loudspeaker with life-like perfection. **The phonograph record is re-created with such true fidelity that you are able to hear instruments and reproduction of the lower frequencies which were entirely missing when the record was reproduced in the old fashioned way.**

No. 6529. Wt., 3 lbs. List, complete with tone arm, $13.50. YOUR PRICE **$5.75**

No. 6561. Gordon Pick-up Head Only. Wt., 2 lbs. YOUR PRICE..... **$3.38**

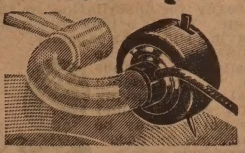
Electric Phonograph Pick-Ups

United Phonograph Pickup

An amazing forward step in the development of electrical phonograph pickups. Assures splendid reproduction of all phonograph records through the radio receiver and loud speaker. Adapted for both A.C. and D.C. sets. May be used with any phonograph since it is equipped with a tone arm permitting universal use. It offers true tone values along with volume that will equal that of modern electric phonographs selling at hundreds of dollars. Weight, 3 lbs.

No. 7041. Retail, $16.50.
YOUR PRICE..... **$9.45**

Na-Ald Pick-Up



Inexpensive electrification of all phonographs. Fine results with a good amplifier. Will operate with A.C. and D.C. sets. Convert your phonograph into the new orthophonic type with power amplification. Wt., 3 lbs.

No. 1179. Retail, $5.00. YOUR PRICE **$2.94**

New DeLuxe Pacent Phonovox

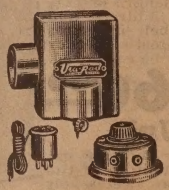
A new electrical pick-up with counter balanced tone arm. Three separate units: the pick-up unit, volume control and radio set adapter. Wt., 3 lbs. Their performance equals that of the most costly phonographs.

No. 6510. Model 124. Complete with counter balanced tone arm, adapters for both A.C. and D.C. sets, volume control and connecting cords. Wt., 3 lbs. Retail, $13.50. YOUR PRICE..... **$7.94**

No. 6511. Model 105-A. Similar to Model 124 except counter balanced tone arm is not included. Wt., 3 lbs. Retail, $10.50. YOUR PRICE..... **$6.17**

BMS Via-Rad Electric Pick-Up

Consists of electric phonograph reproducer, a Via-Tector which fits into the detector socket of the radio set and one Via-Trol which regulates the reproduction from a mere whisper to the loudest volume. The high as well as low notes are reproduced with clarity and life-like fidelity. Exceptionally simple to install. Highly recommended. Wt., 3 lbs.



No. 6533. Complete outfit. Retail, $12.00. YOUR PRICE..... **$7.06**

Gradeon Electric Pick-Up

A high grade electric pick-up that attaches to the arm of any phonograph. It carries the sound impulses from the record through the radio tubes of the radio set, amplifying them electrically with glorious splendor and volume through your radio loud speaker. This new instrument adds the perfect reproduction of an audio system to any phonograph resulting in a tone quality surpassing the most expensive instrument. Wt., 3 lbs.

No. 6534. Retail Price, $17.50. YOUR PRICE..... **$3.95**

National Scratch Filter

The purpose of the National Scratch Filter is to greatly reduce the needle scratching heard from the loud speaker when using any of the several types of electric phonograph pick-ups in connection with an audio frequency amplifier for playing phonograph records electrically. The terminals of the filter are connected across the output of the pick-up. So designed as to suppress the greatest possible amount of needle scratch with the least possible suppression of the upper musical notes. Highly recommended. Wt., 2 lbs.

No. 6537. Retail, $5.50. YOUR PRICE **$3.23**

BMS Broadcaster for Home Use

Here is a new idea for a radio party. Consists of small microphone, extension cord and adapter plug which fits detector socket. Broadcast your own voice or music. Does not interfere with radio reception. Absolutely noiseless and gives clear, undistorted reproduction. It is small, easily carried in the pocket. Wt., 3 lbs.

No. 6536. 4-Prong Adapter.... }
No. 6536A. 5-Prong Adapter.... } YOUR PRICE **$4.41**
Retail, $7.50

Webster Electric Pick-Up

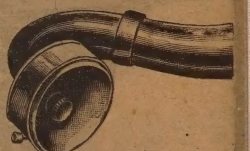
Faithfully reproduces with remarkable volume and clearness all the frequencies that are now recorded on the best orthophonic records. Chattering or any other objectionable noise is eliminated, due to unique design and light weight. Correct weight is always carried on the needle—yet prevents excessive record wear. Changes from radio to electric phonograph without removing detector tube by use of special adapter furnished. Wt., 3 lbs.

MODEL 1A

No. 6531. Complete with supporting arm. Retail, $17.50. YOUR PRICE **$10.29**

Gordon Pick-Up

Amplifies any phonograph record through the radio receiving set. Installed at will with an adapter with the audio frequency amplifier of any radio. Results in a superior, perfect reproduction of the record through the radio loud speaker than is obtained with the new type high priced electric phonographs. Life-like, rich, deep, natural tones. Complete with tone arm and adapter for A.C. or D.C. sets. Wt., 3 lbs.



No. 6529. List, $13.50. YOUR PRICE..... **$5.75**

PACENT ELECTROVOX—ELECTRICAL REPRODUCER

THE MODERN MUSIC REPRODUCER

A truly remarkable instrument encased in a handsome walnut cabinet, plays phonograph records electrically through any radio or with any power amplifier with all the beauty, tone quality and realism of the most expensive electric phonograph. It is not only electrically played but the turn table is electrically operated by the Pacent Electric Phonomotor.

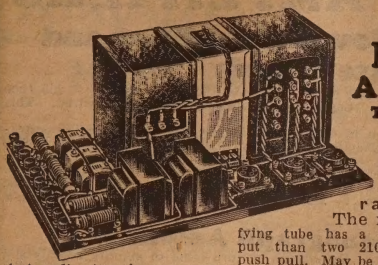
Operation is simple, it being only necessary to plug one cord into an electric light socket and a second cord into the radio set or amplifier. Equipped with volume control, speed regulator, needle cups and the celebrated Pacent DeLuxe Phonovox. The motor is of the induction type. For 110-volt, 50-60 cycle A.C. operation.

No. 7500. Electrovox complete in cabinet as illustrated. List $75.00. YOUR PRICE..... **$44.10**

No. 6219. Electrovox complete as described but without cabinet. List $60.00. YOUR PRICE..... **$35.28**

No. 6220. Phonomotor and turn table only. List $35.00. YOUR PRICE..... **$20.58**

210-250 Power Pack Kits



250 Power Amplifier

Tremendous Power

A new super-power amplifier and plate supply for any radio receiver. The new 250 amplifying tube has a greater power output than two 210 power tubes in push pull. May be used to replace the last audio stage in any receiver or as an additional power stage where great amplification and power are both desired. May be used with dynamic or magnetic speaker, though the average magnetic reproducer will not be able to carry the power output of this amplifier.

Simple to assemble and wire. **A complete A.B.C. supply for the 250 power tube and a large reserve of current for supplying the plate voltage to practically any multi-tube radio receiver.** Shipping wt., 22 lbs.

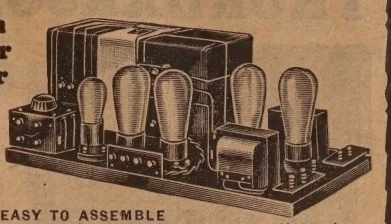
LIST OF PARTS

1—Power supply transformer.
1—Heavy duty double choke.
1—Audio transformer.
1—Heavy duty output choke.
1—250 condenser block.
3—UX sockets.
1—2000 ohm resistance.
1—10,000 ohm resistance.
2—3000 ohm resistance.
1—12,000 ohm resistance.
3—1. mfd. by-pass condensers.
1—Binding post strip.
10—Binding posts.
1—10x19 baseboard.
1—Wiring diagram, screws, wires.

Tubes required: two CX 381 rectifying tubes, one CX 350 power amplifier.

No. 8124. Total List, $85.00. YOUR PRICE $36.85

210 Push Pull Power Amplifier



A complete power amplifier consisting of apparatus of the highest quality for operating two 210 power tubes in push-pull.

EXCEEDINGLY EASY TO ASSEMBLE

Provides super-power amplification for the output of any radio receiver—A.C. or D.C. Used either to replace the last audio stage in any set or as an additional push-pull power stage following the output of the radio set. When used with a good magnetic or dynamic speaker, the tone quality is superior to anything ever before heard.

FOR DYNAMIC OR MAGNETIC SPEAKERS

Can be used with the new power dynamic speakers of the 110 volt D.C. type. Provision is made whereby the field coil may be excited by this power supply.

PLATE SUPPLY FOR ANY SET

Has sufficient reserve to supply plate B current for any multi-tube set. Plate voltage, 45 and 90 volts. Has 1½ amp., .25 volt windings for filament voltage to A.C. tubes if desired. Shipping wt., 25 lbs.

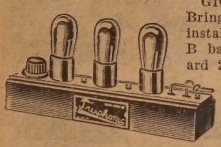
LIST OF PARTS

1—Power supply transformer.
1—Heavy duty double choke.
1—Push pull input transformer.
1—Push pull output transformer.
1—Aerovox 210 condenser block.
4—UX sockets.
1—2000 ohm resistance.
1—10,000 ohm resistance.
2—3000 ohm resistances.
1—.005 fixed condenser.
1—10x19 baseboard.
2—Binding post strips.
10—Binding posts.
1—Wiring diagram, screws, wire, hardware.

Tubes required: two CX 381 rectifiers, two CX 310 amplifiers.

No. 8125. List, $78.00 YOUR PRICE $36.95

Naald Truphonic Power Amplifier



Gives perfect undistorted amplification. Brings any radio set up-to-date. May be installed with any set and used with either B batteries or B eliminators. Uses standard 201A tubes or power tube. Has output filter which protects speaker from injury when power tubes and heavy current are used. An excellent phonograph amplifier for use in connection with a magnetic pick-up. Wt., 7 lbs.

No. 2120. List, $25.00. YOUR PRICE $14.69

Power Essentials

No. 2145. Power Transformer. A heavy duty power transformer. Provides sufficient voltage and current for two 210 tubes in push pull or a single 250 amplifier. Provided with filament windings for 210 and 250 tubes, and for 381 rectifier tube, also 1.5 and 2.25 windings for A.C. 226 and 227 tubes. Wt., 7 lbs.

List, $19.00. YOUR PRICE.. $9.75

No. 2146. Heavy Duty Chokes. Consists of two 30 Henry chokes, each capable of carrying 130 milliamperes. For use with 210 push pull or 250 power amplifier. Wt., 6 lbs.

List, $13.00. YOUR PRICE..... $6.65

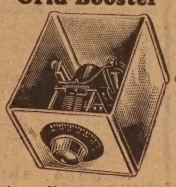
Walbert Penetrola

Adds a stage of tuned radio frequency to any receiver. Increased volume from distant stations, greater selectivity — sharper tuning. Incorporates the Walbert Isofarad circuit. Comparable to adding two stages of common radio frequency. Entirely eliminates reradiation. Wt., 15 lbs.

No. 4512. Completely built Penetrola. **List, $35.00. YOUR PRICE..... $20.58**

No. 4513. Penetrola Essential Kit without cabinet. Wt., 8 lbs. **List, $15.00. YOUR PRICE..... $8.82**

Browning Drake Shield Grid Booster



Provides a stage of **shield grid amplification** preceding the first radio frequency stage of any receiver. Tremendous amplification of the weakest signals, heretofore lost, is obtained.

Easily and quickly installed. Simply connect the aerial to one binding post and the antenna post of the radio to second post on the booster. **Boosts up the signal strength enormously.** Completely built and wired ready to install with any battery type radio receiver. Wt., 8 lbs.

No. 2147. List, $25.00. YOUR PRICE..... $14.70

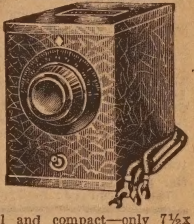
SHIELD GRID BOOSTER KIT

Unassembled kit of parts for Shield Grid Booster.

No. 2148 List, $17.00. YOUR PRICE..... $10.00

Sterling Pre-Amplifier

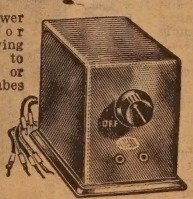
Shield Grid Booster



More distance, better tone, greater selectivity. Uses the 222 screen grid tube which, without question, is the radio sensation of the year and has an amplification of about ten times that of the 201A tube. Provides a stage of radio frequency amplification using the **screen grid tube** preceding the first stage of amplification of any radio set. Completely built and assembled. Small and compact—only 7½x4½x5½ in. Equipped with switch and power cable. Shipping Weight, 5 lbs.

No. 2144. List, $12.50. YOUR PRICE..... $7.35

Centralab Tone Amplifier



A stage of power amplification for any radio receiving set. Adaptable to use with 171 or 112 power tubes for improved tone quality and increased volume. May be used with any set with batteries or eliminators. Provided with tone filter protecting speaker from heavy current when power tube is used. Wt., 8 lbs.

No. 2124. List, $16.00. YOUR PRICE..... $9.40

Samson PAM Amplifiers

Power—marvelous tone and tremendous output for use with any radio or **for hotels, clubs and small auditoriums.** For 110 volt 50-60 cycle A.C. current.

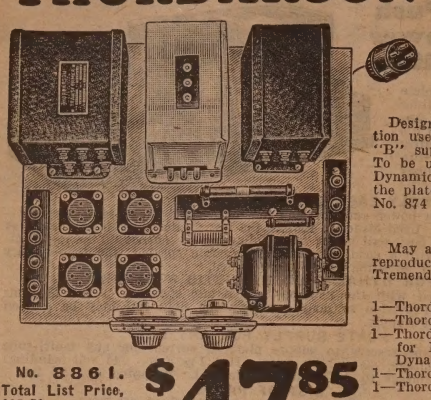
No. 8128-PAM16. Two Stage 210 A.C. phonograph or radio amplifier. Requires one 227, two UX210 and one UX281 tube. For magnetic speakers.

No. 8129-PAM17. Identical to PAM16 but for dynamic speaker. 15x12x7½ in. 35 lbs. **List without tube, $125.00. NET PRICE $73.50**

No. 8130-PAM19. Three stage 250 A.C. phonograph or radio amplifier. For larger installations. Requires two UY227 tubes, two UX250 tubes and two 281 rectifiers. For magnetic speakers.

No. 8131-PAM20. Identical to PAM19. Provides field current to dynamic speaker. Size 20x14½x7½ inches, 50 lbs. **List without tubes, $175.00. NET $102.90**

THORDARSON POWER AMPLIFIERS



250 Plug-in Power Amplifier and Plate Supply

THIS is Thordarson's latest. A one stage power amplifier using the latest 250 tube and including the "B" supply. Complete kit of parts ready to be wired. This is not a wired kit.

Designed for last stage audio amplification in connection with receivers for home demonstration uses and may be used with either Dynamic or ordinary high impedance speakers. The "B" supply also supplies "B" current for any receiver regardless of how large it may be. To be used for 110-115 volt, 50-60 cycle current only. Also energizes the field of a D. C. Dynamic speaker. Provides for use of a 374 or 874 voltage regulator tube. Uses 425 volts on the plate with a grid bias of 80 volts. Uses 2—281 rectifier tubes, 1—voltage regulator tube No. 874 or No. 374 and 1—250 tube.

Also Electric Phonograph Amplifier

May also be used with any standard pickup, phonograph or turn-table to amplify records and reproduce them through loud speaker. Wonderful tone quality for either phonograph or radio. Tremendous volume. Very easy to build. Furnished with diagram for construction. Wt. 50 lbs.

List of Parts:

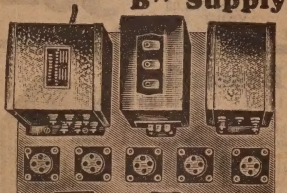
1—Thordarson Power Supply Transformer, T-2900;
1—Thordarson Double Choke Unit, T-3099;
1—Thordarson Speaker Coupler Transformer, T-2901 for High Impedance Speaker, T-2902 for Dynamic Speaker (specify which desired);
1—Thordarson Resistance Kit, R-2098;
1—Thordarson Power Input Plug;
1—Condenser Block.
1—Fixed Resistance, 1,500 ohms, 25 watts.
4—Standard 4-Prong Sockets;
8—Binding Posts;
1—1-Mfd. By-pass Condenser;
1—Wood Baseboard, 14x12x1 inches.
1—Bakelite Panel, 14x4x$\frac{1}{8}$ inches.

Tubes Required:

2—UX-281 Rectifiers; 1—UX-250 Power Amplifiers; 1—UX-874 or 374 Voltage Regulator.

No. 8861. Total List Price, $85.50. YOUR PRICE... $47.85

210 Push Pull Power Amplifier and "B" Supply



This is a single stage power amplifier and plate supply, using 2 210 type power tubes. Tremendous undistorted power output. Over 200 times the power of the 201A type tube. When assembled and wired, can be placed with any ordinary set, giving it tremendous undistorted auditorium volume with wonderful tone quality. Uses 435 volts on the plate. Permits operation of D. C. Dynamic speaker or on any ordinary speaker of any type. Wt. 50 lbs.

List of Parts:

1—Thordarson Transformer, T-2098, 1—Thordarson Choke Unit, T-2099; 1—Thordarson Push-Pull Input, T-2408; 1—Thordarson Push-Pull Output, T-2420; 1—Thordarson Resistance Kit, R-2098; 1—Condenser Block, Type 210; 5—Std. UX Sockets; 1 Wood Baseboard, 12x12x1; Bakelite, 6x12x$\frac{1}{8}$; 7—Binding Posts.

If wanted for dynamic speaker order with output transformer type 2629 at additional charge of $1.20.

No. 8862. List Price, $86.50. YOUR PRICE.. $44.85

Tubes Required: 2—Type 310; 2—Type 381; 1—Type 374.

210 Two Stage Push Pull Power Amplifier and "B" Supply

A kit using a 227 type tube in the first stage and 2 210 power tubes in push-pull for either radio or phonograph reproduction. Wt., 55 lbs.

List of Parts:

1—Thordarson Transformer, T-2098; 1—Thordarson Choke Unit, T-2099; 1—Thordarson Filament Supply, T-3081; 1—Thordarson Audio, R-300; 1—Thordarson Push-Pull Input, T-2408; 1—Thordarson Output Choke, T-2420; 1—Thordarson Resistance Kit, R-2098; 1—1 Mfd. By-pass Condenser; 1—Condenser Block, Type 210, Aerovox; 1—10-ohm Pot. or Center Tapped Resistor; 5—Sockets; 10—Binding Posts; 1—UY 5-prong Socket; 1—9-2,000-ohm Resistor (variable); 1—Wood Baseboard, 12x18x1; Bakelite, 6x18x$\frac{1}{8}$ in.

If wanted for dynamic speaker, order with output transformer type 2629 at additional charge of $1.20.

No. 8863. List Price, $106.00. YOUR PRICE.. $59.75

Tubes Required: 2—Type 310; 1—Type 327; 2—Type 381; 1—Type 374.

250 Two Stage Power Amplifier and Plate Supply

The latest 250 Two Stage Power Amplifier and plate supply also supplying the set with necessary current. Uses one stage of 227 and one stage of 250 in addition to 2 281 rectifier tubes. Delivers tremendous power, wonderful tone quality and should be used with a Dynamic speaker or other high impedance speaker, either airchrome, cone or exponential type. For 110-150 volt, 50-60 cycle. 425 volts on the plate delivering tremendous volume for dance-hall, ice cream parlor or auditorium. May be used with electric pickup for phonograph reproduction. This is the latest in power amplifiers and is today one of the fastest selling and finest constructed combination of parts for this purpose. This is not a complete wired amplifier but is ready to assemble and wire. Wt. 55 lbs.

Parts Required:

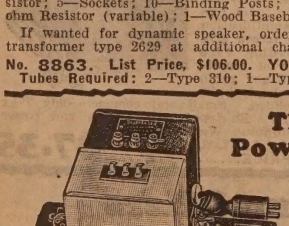
1—Thordarson Power Transformer, T-2900; 1—Thordarson Double Choke Unit, T-3099; 1—Thordarson Filament Transformer, T-3081; 1—Thordarson Speaker Coupling Transformer, T-2902 for Dynamic Speaker (state which), 1—Thordarson Resistance Kit, R-2098; 1—Condenser Block, 250 type; 2—1-Mfd. By-pass Condensers; 1—1,500-Ohm Resistor, 25-Watt Capacity; 4—Four-prong Sockets; 1—Five-prong Socket; 10—Binding Posts; 1—Variable Resistor, 2,000 Ohms; 1—Potentiometer, or Center Tapped Fixed Resistor, 25 Ohms; 1—Baseboard.

Tubes Required for this as Follows:

1—Type 250 or 350 Tube.
1—Type 874 or 374 Tube.
2—Type 281 or 381 Tube.
1—Type 227 or 327 Tube.

No. 8864. List Price, $98.00. YOUR PRICE..... $56.86

Thordarson 210 Power Amplifier and Plate Supply



If your radio set hasn't enough "kick" this is the amplifier for you. This amplifier gives you one stage of 210 power amplification with 100 times the power of a type 201A tube. Wonderful tonal improvement on your radio set over the entire musical range, particularly on the lower notes. Includes metal baseboard. Easy to wire and assemble. Comes complete with diagram. Wt. 35 lbs.

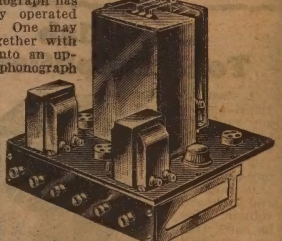
List of Parts:

1—Thordarson Power Compact, R-210;
1—Thordarson Metal Baseboard, R-211;
1—Thordarson Resistance Kit, R-508-3445;
1—Thordarson Speaker Coupling Transformer, T-2876;
1—Type 210 Condenser Block;
1—Thordarson Power Input Plug, R-172.

Tubes Required: 1—Type 281 or 381, 1—Type 210 or 310, 1—Type 874 or 374.

No. 8865. List Price, $51.90. YOUR PRICE $30.52

Thordarson 210 Phonograph Amplifier



The remarkable quality of reproduction of the electrically operated phonograph has forced the older mechanically operated machine into total oblivion. One may convert the old phonograph together with its motor, turntable and all into an up-to-date electrically operated phonograph with this power amplifier and by replacing their present speaker with a Dynamic speaker and also using an electrical pickup. Operates on 110-115 volts A.C. Uses 1 type 199, 1 type X210, and 1 type X281. Wonderful tone quality. Wt., 35 lbs.

List of Parts:

1—Thordarson R-210 Power Compact; 2—Thordarson R-300 Audio Transformers; 1—210 Condenser Block, Aerovox; 1—Fixed Resistor, 5000 Ohms; 1—Yaxley 400-Ohm Potentiometer; 3—Benjamin Sockets (Sub-panel); 6—Binding Posts; 3—Benjamin Sub-panel Brackets; 1—Piece Bakelite 10x10x$\frac{1}{4}$ inches; 1—Piece Bakelite 10x2x$\frac{1}{8}$ inches.

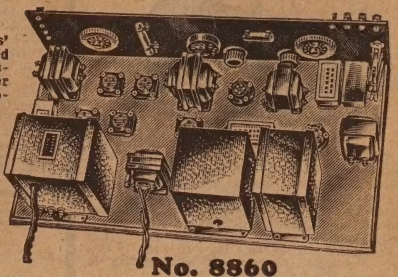
No. 8859. List Price, $61.25. YOUR PRICE $28.75

Power Amplifiers — THORDARSON — Power Transformers

NEW 250 PUSH PULL POWER AMPLIFIER

DEALERS' MODEL

THIS amplifier is designed exclusively as a small Public Address amplifier for dealers' demonstration use. It produces considerably more undistorted volume than is required for home use and is ideal for outdoor broadcasting purposes. It is a complete audio system designed for either phonograph, radio or microphone reproduction and enables the dealer to make salestalks or personal comments between programs. Three stages are used for microphone tubes in push-pull working at full capacity. Wt., 60 lbs.



LIST OF PARTS

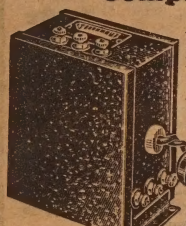
1—Thordarson T-2950 Power Supply Transformer.
1—Thordarson 3100 Double Choke Unit.
1—Thordarson R-300 Audio Transformer.
1—Thordarson Microphone Transformer, T-2357 (see note).
1—Thordarson 3081 Filament Supply Transformer.
1—Thordarson T-2922 Push-Pull Input Transformer.
1—Thordarson T-2903 Speaker coupling Transformer.
1—Thordarson R-2098 Resistor Kit.
1—Potter 250 type Condenser Block.
3—Potter one Mfd. By-Pass Condensers.
1—Potter 2 Mfd. By-Pass Condenser.
2—Carter 2000-ohm Variable Resistors.
1—Carter 25-ohm Center Tapped Resistor.
1—Centralab 200,000-ohm Modulator.
1—Yaxley Single Circuit Jack.
1—Yaxley Open Circuit Jack.
1—Yaxley 2-Circuit Jack.
5—Benjamin UX Sockets.
8—XL Binding Posts.
2—Benjamin UY Sockets.
1—110-Volt Switch.
1—Bakelite Panel, 26x8x⅜ in.
1—Wood Baseboard, 26x15x1 in.

Note:—For double-button microphone, use transformer T-3020. For single-button, transformer T-2357. When high impedance speaker is used for microphones use transformer R-300.

Extra charge of $1.80 for R-300 or T-3020. Tubes required: 2 type 281, 2 type 227, 1 type 374, 2 type 250.

No. 8860
Total List Price $145.74
YOUR PRICE $81.85

Thordarson Power Compacts



A Power Supply Unit for combined power amplifier and B-supply. May be used with Raytheon BH tube and type 171 tube. Provides A and B current for power tube. Designed for 110 volt 60 cycle A-C current **only.** Equipped with six foot cord and plug. Size: 3¼x5½x6. Wt., 12 lbs.

	List	YOUR PRICE
No. 8851. R - 171 Power Compact.....	$15.00	**$ 8.82**
No. 8850. R - 210 Power Compact.....	20.00	**11.76**
No. 8855. R - 280 Power Compact.....	17.00	**10.00**

Thordarson Steel Chassis

A special foundation for 210 Power Amplifier and B-supply using Thordarson R-210 Compact. All mounting holes drilled and sockets and binding posts are already mounted. Insulating template shows subpanel wiring. All nuts, screws, bolts and hook-up wire included. Size, 11x7¼ in. Wt., 5 lbs.

No. 7044. List, $5.00. YOUR PRICE **$2.94**

Thordarson Heavy Duty Power Supply Transformers

Conservatively rated power supply transformers designed primarily to supply A-B-C current to various combinations of tubes as listed below. All types are used with two 281 rectifier tubes. Cool in operation. Wt., 14 lbs.

Type 2098

No. 7042. Data: **Primary,** 110-115 V., 50-60 cycle, alternating current only. **Secondary No. 1**—550 volts each side of center tap—130 M.A. **Secondary No. 2**—7½ volts, center tapped, 2½ amperes. **Secondary No. 3**—7½ volts, center tapped, 2½ amperes. **Dimensions:** 4½x5¼x5¾ in. For two 210 tubes and B current for set. List, $20.00. YOUR PRICE.... **$11.76**

Type 2900

No. 7083. Data: **Primary,** 110-115 V., 50-60 cycle, alternating current only. **Secondary No. 1**—610 volts each side of center tap—130 M.A. **Secondary No. 2**—7½ volts center tapped, 2½ amperes. **Secondary No. 3**—7½ volts, center tapped, 2½ amperes. **Dimensions:** 4½x5¼x5¾ in. For single 250 tube and B current for set. List, $20.00. YOUR PRICE **$11.76**

Type 2950

No. 7084. Data: **Primary,** 110-115 V., 50-60 cycle, alternating current only. **Secondary No. 1**—675 volts each side of center tap—200 M.A. **Secondary No. 2**—7½ volts, center tapped, 2½ amperes. **Secondary No. 3**—7½ volts, center tapped, 2½ amperes. **Dimensions:** 4¾x6¼x5¾ in. For two 250 tubes in push-pull. List Price, $29.50. YOUR PRICE.... **$17.35**

Thordarson Filament Supply Transformers

With the new 226 and 227 type of A-C tubes now in popular usage, this form of filament supply transformer has been developed to meet the special requirements. The three separate winding idea is employed providing proper filament voltages for six 226 tubes, two 227 tubes and the third winding will heat two 5 volt power tubes of the regular type. Dimensions 2¾x5¾x4¾ in. Wt., 7 lbs.

No. 7045. List, $10.00. YOUR PRICE..... **$5.88**

For Kellogg and McCullough A. C. Tubes

Designed for use with Kellogg and McCullough Tubes of the heater type. Capacity is sufficient to supply from one to ten tubes.

No. 7046. List $7.50. YOUR PRICE..... **$4.41**

For Power Tubes

Transformers for supplying AC current to last stage power tubes, generally in push-pull amplifiers.

No. 7047. 5 V. AC. List $5.00. YOUR PRICE.. **$2.94**

No. 7048. 7½ V. AC. List $7.50. YOUR PRICE.. **4.41**

Type 3081

A special Filament Supply Transformer used with a two or three stage amplifier for radio or phonograph reproduction. Not to be incorporated in a multi-tube set. Size 2½x3x3¼.

No. 7085. List $6.00. YOUR PRICE..... **$3.53**

Thordarson Heavy Duty Double Chokes

Where a high grade, high output power supply device is being constructed, this Choke, in one of the three sizes, is invariably employed. This is for the reason that engineers unanimously approve and endorse these chokes to serve the purpose efficiently. Each unit contains two 30-henry chokes, conservatively rated. Crackled finish steel case, compound filled.

Type 2099

This type has rated capacity of 130 Milliamperes. Used in conjunction with the T-2098 power supply transformer or any similar high grade transformer. Wt., 14 lbs.

No. 7043. List $14.00. YOUR PRICE **$8.23**

Type 3099

Has rated capacity of 160 M. A. Used with T-2900 power supply transformer or any similar transformer. Wt., 14 lbs.

No. 7081. List $16.00. YOUR PRICE .. **$9.41**

Type 3100

Largest of the three, having output capacity of 200 M. A. T-2950 transformer or other good transformer may be used although Thordarson is recommended. Wt., 18 lbs.

No. 7082. List $18.00. YOUR PRICE. **$10.58**

Power Input Plugs

Makes possible a convenient method of connecting amplifier to receiver. Plugs in last audio socket of set and connects to grid of power amplifying tube. Eliminates changes in wiring. Wt., 8 oz.

No. 7086. List $1.00. YOUR PRICE **59c**

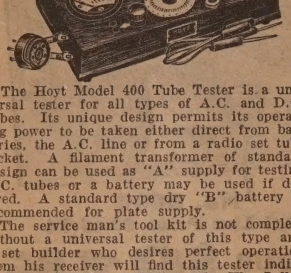
Resistance Kits

A voltage divider Kit for use with power amplifiers using Thordarson R-210 Compact or similar amplifiers employing 874 tube. Provides the necessary B-plate voltages of 45, 90, 135, 400 and 20 volts for C-bias for 210 tube. This is a handy kit for power supply builders. Wt., 2 lbs.

No. 7087, Type R-508-3445. List $4.90. YOUR PRICE.... **$2.88**

TUBE CHECKERS and SERVICE TEST SETS

HOYT UNIVERSAL AC-DC TUBE TESTERS



The Hoyt Model 400 Tube Tester is a universal tester for all types of A.C. and D.C. tubes. Its unique design permits its operating power to be taken either direct from batteries, the A.C. line or from a radio set tube socket. A filament transformer of standard design can be used as "A" supply for testing A.C. tubes or a battery may be used if desired. A standard type dry "B" battery is recommended for plate supply.

The service man's tool kit is not complete without a universal tester of this type and a set builder who desires perfect operation from his receiver will find this tester indispensable. Highly recommended. Wt. 7 lbs.

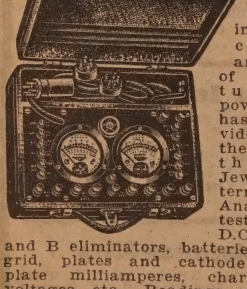
No. 2551. Model 400 Tube Tester including "five hole four prong" adapter and leads. **Retail Price, $30.00. YOUR PRICE** **$19.95**

Universal AC or DC Set Analyzer and Tube Checker

Will check both A.C. and D.C. tubes. The set contains nine meters permitting practically any type of checking to be done on sets, accessories, etc. A high power rheostat and the following meters are included: 0-100, 0-300, 0-10 milliameters; 0-15, 0-6, 0-150 A.C. voltmeters; 0-8, 0-50, 0-500 D.C. voltmeters. Necessary tube adapters and full instructions included. Wt. 10 lbs.

No. 2564. Type 9 Set Analyzer with nine meters. **Retail, $35.00. YOUR PRICE** **$20.58**

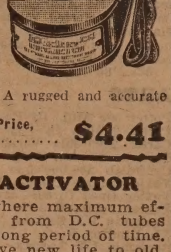
Jewel AC-DC Set Analyzer



Every conceivable test necessary in proper checking and testing of radio sets, tubes and power units has been provided for in the design of this famous Jewell Pattern 199 Set Analyzer. Will test A.C. and D.C. tubes, A and B eliminators, batteries, circuits, grid, plates and cathode voltages, plate milliamperes, chargers, line voltages, etc. Readings of 0-4-8-16-160 A.C. volts; 0-7.5-75-300-600 D.C. volts and 0-15-150 milliamperes. Furnished complete with all necessary instructions. A precision instrument throughout. Wt. 15 lbs.

No. 2554. Retail, $97.50. YOUR PRICE.. **$71.66**

STERLING AC VOLTMETER

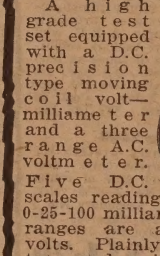


A high grade, efficiently designed A.C. voltmeter for testing A.C. line current. Indispensable for use where the new A.C. tubes are employed. Will quickly pay for itself in the savings on tubes it makes possible. It is of compact pocket size design, measuring only 3x5x1½ in. May be used on all A. C. circuits up to 150 volts. A rugged and accurate instrument. Wt. 3 lbs.

No. 2077. Retail Price, $7.50. YOUR PRICE..... **$4.41**

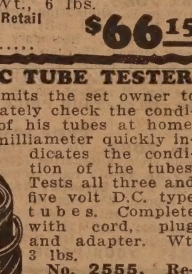
STERLING REACTIVATOR

A necessary unit where maximum efficiency is expected from D.C. tubes over a long period of time. Will give new life to old, dull tubes of the thorium coated filament type. Quickly pays for itself in improved reception. Wt. 3 lbs.



No. 4506. Retail Price, $3.75. YOUR PRICE **$2.21**

HOYT UNIVERSAL AC-DC SERVICE TEST SET



A high grade test set equipped with a D.C. precision type moving coil volt—milliameter and a three range A.C. voltmeter. Five D.C. scales reading 0-10-100-500 volts. 0-25-100 milliamperes. Three A.C. ranges are available; 0-3-9-150 volts. Plainly marked push buttons and switches provide easy operation during each test. Will test all types of sets, tubes, power units, etc. Wt., 6 lbs.

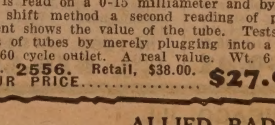
No. 2553. Retail Price, $90.00. YOUR PRICE **$66.15**

JEWELL DC TUBE TESTER

Permits the set owner to accurately check the condition of his tubes at home. The milliameter quickly indicates the condition of the tubes. Tests all three and five volt D.C. type tubes. Complete with cord, plug and adapter. Wt. 3 lbs.

No. 2555. Retail Price, $10.50. YOUR PRICE **$7.72**

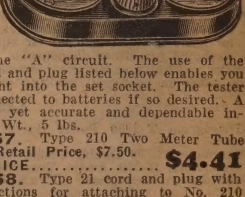
JEWELL AC TUBE TESTER



A high grade unit containing a compound rheostat for adjusting the filament on the 0-4-8 volt and A.C. filament voltmeter. Plate current is read on a 0-15 milliameter and by the grid shift method a second reading of plate current shows the value of the tube. Tests all types of tubes by merely plugging into a 110 volt 60 cycle outlet. A real value. Wt. 6 lbs.

No. 2556. Retail, $38.00. YOUR PRICE..... **$27.93**

Two Meter Tube Checker



A two-meter tube tester containing an 0-6 high resistance voltmeter, 0-10 milliameter and rheostat for checking the "A" circuit. The use of the No. 21 cord and plug listed below enables you to plug right into the set socket. The tester can be connected to batteries if so desired. A low priced, yet accurate and dependable instrument. Wt., 5 lbs.

No. 2557. Type 210 Two Meter Tube Checker. **Retail Price, $7.50. YOUR PRICE**..... **$4.41**

No. 2558. Type 21 cord and plug with full instructions for attaching to No. 210 Tester. Wt. 6 oz. **Retail Price, $1.00. YOUR PRICE**..... **59c**

No. 2559. Type 199 Adapter for small tubes. Wt. 4 oz. **Retail Price, 60c. YOUR PRICE**..... **35c**

AC-DC Two Meter Tester

For testing A.C. and D.C. tubes, power tubes, etc. Contains 0-8 high resistance voltmeter with rheostat and double range 0-20-100 milliameter with switch. Four and five prong tube adapters are included. Every dealer should have one on his counter. Wt., 3 lbs.

No. 2560. Type 212 Tube Tester. **Retail Price, $10.00. YOUR PRICE**..... **$5.88**

No. 2561. Type 22 cord for adapting to a D.C. set. Wt., 8 oz. **Retail, $1.50. YOUR PRICE**..... **88c**

Two Meter Tester 215

For testing either A.C. or D.C. tubes. Contains 0-10 voltmeter giving A.C. or D.C. readings and a double scale milliameter reading 0-20-100 milliamperes. Can be plugged directly into A.C. or D.C. set. The ideal instrument for the service man. Wt. 5 lbs.

No. 2562. Type 215 Tube Tester. **Retail Price, $12.50. YOUR PRICE** **$7.35**

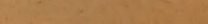
UNIVERSAL TEST SET

Universal Test Set consists of No. 215 Universal Tube Tester listed above and a special high resistance voltmeter providing a range of 0-300 volts. Plugs into the set socket for testing tubes. Quickly locates defective circuit wiring, open transformers, poor contacts and shorts. Equipped with a repulsion type voltmeter of 0-10 volts and double scale milliameter of 0-20-100. Tester is provided with 30 inch cord, a five prong plug and four prong adapter. A high grade instrument throughout. Wt. 6 lbs.

No. 2563. Retail $17.50. YOUR PRICE..... **$10.29**

HOYT AC ATTACHMENT FOR DC TUBE TESTERS

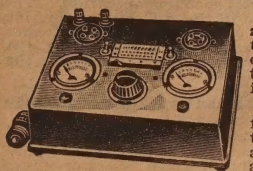
The Hoyt Model 101 A.C. attachment is a simple and inexpensive unit consisting of a heavy duty rheostat and a low reading voltmeter responsive to either D.C. or A.C. filament current supply. A special adapter for the UY227 tube is included along with terminal leads for such tubes as the McCullough and Kellogg types. Voltmeter of double scale type reading 0-3 and 3-9 volts. Complete with all necessary operating instructions. A real value. Wt., 4 lbs.



No. 2552. Retail Price, $15.00. YOUR SPECIAL PRICE... **$11.03**

Tube Testers—Rejuvenators—Meters

Sterling A.C.—D.C. Tube Tester and D.C. Tube Reactivator



A high grade unit that tests **all styles of tubes including the screen grid type.** Checks emission on both AC and DC tubes and reactivates all thorium coated filament DC tubes.

Both emission and grid performance tests are shown on the combination meter having a plate milliampere scale 0-15 and emission scale 0-100. **Filament scale covers complete range of tubes.** Quickly shows whether tube is good, fair or poor, and if low by merely throwing a switch DC tubes can be reactivated. Measures 6½x9½x3½ in. Wt., 12 lbs.

No. 4522. Retail $35.00.
YOUR PRICE **$20.58**

Sterling Tube "Short" and Emission Checker

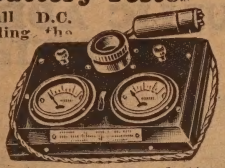
Tube emission checker. Designed to check tubes for "shorts" between "fil-grid," "plate-grid" and "plate-fil." Checks all A.C., D.C. and rectifier tubes.

EVERY SERVICE MAN SHOULD CARRY ONE

Shows emission on type 226 and 227 AC tubes as well as 199 and 120 tubes. Shows "shorts" but not emission for 201A, 300A, 112, 171 and all rectifier tubes, including Raytheon. Designed especially for the service man. Measures only 3x3x6 in. Wt., 3 lbs.

No. 4523. Retail Price, $13.50.
YOUR PRICE **$7.94**

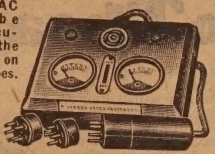
Sterling Universal Tube and Battery Tester



Tests all D.C. tubes, including the 171 and 112 types. Simple to operate. Shows amplifying strength of tubes. Also tests circuits, transformers, batteries, etc. Just the thing for the dealer and service man. Wt., 6 lbs.

No. 4504.
Retail, $25.00.
YOUR PRICE **$14.70**

Sterling A. C. Tube and Service Test Set



A portable AC set and tube tester for accurately testing the plate current on all AC tubes. Locates open grids as well as open circuits in transformers, poor contacts, etc., and tests power units.

One meter upper scale of 0-200 volts, lower scale of 0-30 milliamperes. Other meter of double scale type for voltages higher and lower than three volts as well as A voltage on tubes. Measures 7x5½x2½ in. Wt., 6 lbs.

No. 4526. Retail, $35.00.
YOUR PRICE..... **$20.58**

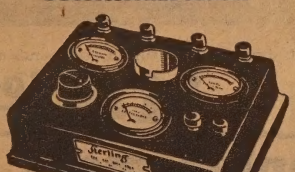
Sterling R-411 "Home" Tube Tester

For testing all large tubes including 300A, 112 and 171 types. By removing tube and inserting test plug, the receiver rheostat will actuate the meter to the proper point. By pressing a button the indicator will show whether tube is good, fair or poor. Direct readings—no computations. Size, 3x5x2¼ in. Wt., 3 lbs.

No. 4503. Retail, $7.50.
YOUR PRICE **$4.41**

Sterling Tube Tester

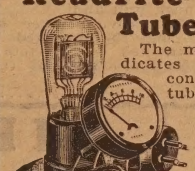
Professional Model



Checks all types DC tubes, including the 171 power and 200A detector. Has rheostat and 3 meters giving 0-8 filament volts, 0-120 plate volts, 0-15 milliamperes. A tube socket adapter and adapters for UV 199 and C 299 tubes is supplied. No potentiometer or C battery is required for testing. Complete with instructions. Size, 6½x8½x3 in. Wt., 6 lbs.

No. 4527.
Retail, $25.00.
NET **$14.70**

Readrite Home Tube Tester



The meter hand indicates directly the condition of the tube without calculation or comparison of any kind. No switches or contacts to get out of order.

Detachable Milliameter

Meter is removable and may be used for other testing when desired. This tester will also detect "shorts" between grid and filament. Full instructions are furnished with tester. Wt., 2 lbs.

No. 4524. For all 5v. tubes.
No. 4525. For all 3v. tubes.
Retail, $3.00. YOUR PRICE **$1.76**

JEFFERSON TUBE CHECKER

Quickly checks condition of D. C. tubes. Also checks poor contacts, open wiring, etc. Full operating instructions included. Measures 5x4x2½ in. Wt., 3 lbs.

No. 4507.
Retail, $4.50.
YOUR PRICE..... **$2.65**

Jefferson A. C. Tube Checker

Equipped with meter, four and five prong sockets, rheostat and push button. Checks all A.C. tubes. Full instructions. Measures 5⅜x5⅛x3⅜ in. For 110v. 60 cycle operation. Wt., 3 lbs.

No. 4520. Retail, $10.00.
YOUR PRICE **$5.88**

Yankee Test Set

Designed to test practically all tubes in general use, including D.C. and A.C. types, as well as a number of the two element rectifier tubes. Current for testing is taken direct from any 110v. 60 cycle A.C. line. It is also an efficient and easily operated tube reactivator for all tubes having the thorated tungsten filament. Mounted in an attractive carrying box, convenient for service calls. Wt., 6 lbs.

No. 4521.
Retail, $32.50.
YOUR PRICE **$19.11**

JEFFERSON TUBE REJUVENATOR

201A and 199 tubes and tubes having thorium impregnated filaments can be successfully rejuvenated and brought back to full efficiency when they lose their pep after months of constant use. Paralyzed tubes can also be rejuvenated. Can be connected to any radio set and will rejuvenate all of the tubes in the set at one time.

Keep Your Tubes At Peak Efficiency

At the low price quoted on this rejuvenator, every set owner should have one on hand. Quickly pays for itself in improved reception, longer tube life and satisfaction that comes from knowing the exact condition of your tubes. Wt., 3 lbs.

No. 4501. Type 275. Retail, $4.50. YOUR PRICE..... **$2.65**

SM Silver Marshall's Latest

The New SM 850 Dynamic

First in the field with a new, revolutionary principle of dynamic speaker operation. The Silver-Marshall dynamic chassis employs a 280 full wave rectifier tube in the A.C. model insuring dependable, quiet operation without hum. This new principle is far in advance of former methods where various forms of dry disc rectifiers were used. A smoother, quieter, more constant source of field coil energy is obtained with the 280 rectifier and dependable operation under continuous duty is assured.

Perfect Reproduction—From Deepest Bass to Highest Treble

Perfection of tone quality is accomplished with the new Silver dynamic unit. It has even frequency characteristics producing a quality of tone never before accomplished. No unnatural bass note accentuation with the hollow boom found in many ordinary type speakers but actual reproduction of voice and music just as though you were listening to the artists in person at the studio.

SM 850 A. C. TYPE 110 VOLT

The all purpose dynamic chassis. May be used with any A.C. all electric or battery operated set wherever 110 volt 50-60 cycle A.C. current is available.

No. 8030. List, $58.50. YOUR PRICE..... $34.39

SM 851 90 VOLT D. C.

For use with A.C. electric sets or power amplifiers designed to provide field current to D.C. dynamic speakers.

No. 8031. List, $48.50. YOUR PRICE..... $28.51

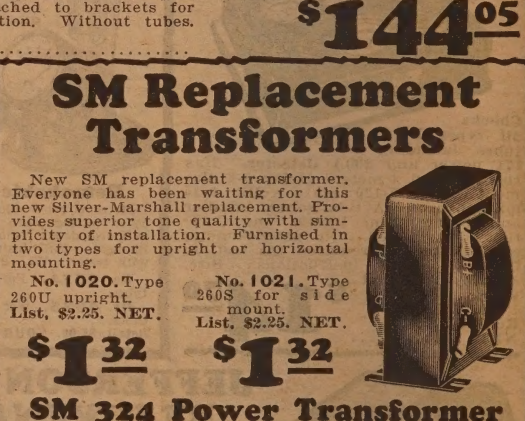
New SM 690 Theatre PUBLIC ADDRESS AMPLIFIER

Silver-Marshall is offering an entirely new sound amplifier introducing certain features never before found even in the best talking movie and broadcast station amplifiers.

The 690 Public Address Amplifier incorporates new features such as dual push pull amplification, complete A.C. amplifier operation, a frequency characteristic bringing out the low tones at their full value, fading volume control, three way selector switch, and rack and panel construction.

Provides sufficient power to operate from two to twelve dynamic speakers, will adequately cover a theatre or auditorium seating three thousand to five thousand people. Out of doors it will provide speech and music clearly audible to ten thousand to thirty thousand people.

The over all amplification develops 15 to 16 watts undistorted power output. Such tremendous amplification is accomplished with a fidelity of tone that is superior to similar amplifiers.



The entire amplifier with self-contained power supply is mounted upon a solid aluminum panel 14 in. high, 21 in. wide with all tubes projecting from sockets mounted below the panel face. Uses one CX327 tube, two CX326 tubes push pull, two CX350 tubes push pull and two CX381 rectifiers. Three sets of loudspeaker posts provide three output impedances suited to combinations of one to twelve speakers. So equipped that it may be mounted permanently in a standard SM PA-1A rack or may be attached to brackets for upright or side mounting. Fully wired ready for operation. Without tubes. Microphone not included.

No. 8032. List, $245.00. YOUR PRICE..... $144.05

New SM Transformers

SM 227 PUSH PULL INPUT TRANSFORMERS

A dual push pull transformer to operate out of two 201A, 112A, 226, 227 or 171A tubes into two power tubes such as 112A, 226, 171A, 210 or 250 tubes. Its characteristic is flat from 40 to 8000 cycles in either A.C. or D.C. amplifiers. In the SM 225 type case.

No. 1015. List, $9.00. YOUR PRICE..... $5.29

SM 228 UNIVERSAL OUTPUT CHOKE

For operation out of two 171A or 250 type tubes into any normal combination of magnetic or dynamic speakers. Provided with impedance adjusting taps.

No. 1016. List, $8.00. YOUR PRICE..... $4.71

SM 248 UNIVERSAL OUTPUT CHOKE

Identical to SM 228 except in SM 240 type open frame mounting.

No. 1017. List, $7.00. YOUR PRICE..... $4.12

SM 257 PUSH PULL INPUT TRANSFORMER

To operate between magnetic record pickup or one 201A, 112A, 226 or 227 tube and two 112A, 226, 227, 171A, 210 or 250 power tubes.

No. 1018. List, $7.00. YOUR PRICE..... $4.12

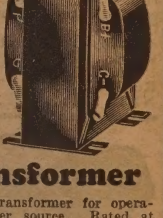
SM 258 PUSH PULL OUTPUT CHOKE

For operation out of two 171A or 210 power tubes into any standard magnetic or dynamic speaker. Provided with taps for matching impedance.

No. 1019. List, $5.00. YOUR PRICE..... $2.94

SM Replacement Transformers

New SM replacement transformer. Everyone has been waiting for this new Silver-Marshall replacement. Provides superior tone quality with simplicity of installation. Furnished in two types for upright or horizontal mounting.



No. 1020. Type 260U upright. **List, $2.25. NET. $1.32**

No. 1021. Type 260S for side mount. **List, $2.25. NET. $1.32**

SM 324 Power Transformer

A large heavy duty full wave power supply transformer for operation from 105-120 volt, 50-60 cycle A.C. power source. Rated at 150 watts for continuous operation. Has two 750 volt, 150 M.A. secondaries and two separate 7½ volt 2½ ampere filament windings for operation of 210, 250 and 281 tubes. Shipping weight 18 lbs.

No. 1022. List, $25.00. YOUR PRICE..... $14.70

SM 326 Reducing Transformer

An auto transformer for reducing 220, 230, 240 or 250 volt 50-60 cycle A.C. current to 110 volts for operating any standard A.C. radio receiver, power unit or dynamic speaker. Shipping weight, 7½ lbs.

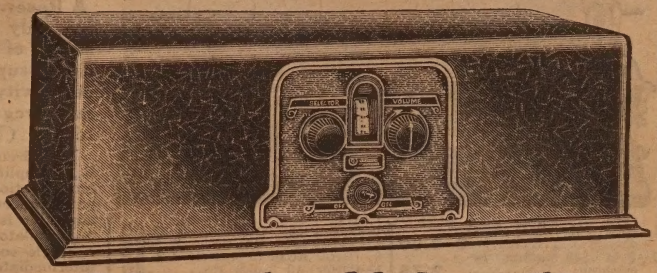
No. 1023. List, $15.00. YOUR PRICE..... $8.82

New Silver Marshall 750 All Electric 7

SM

Completely Built Ready to Plug In

No. 8220 List $99.00



Your Price $58.20

Famous Silver Marshall Quality

Single Illuminated Drum Control

The new SM 750 All Electric 7—a remarkable receiving instrument. Gracefully designed and engineered. Built to Silver Marshall standards. The high quality set that you would naturally expect to be developed in the SM laboratories. Powerful and selective. Only one tuning control. Brings in station after station. Volume may be controlled to any intensity.

Marvelous Tone

Push pull 171. Incorporates the famous Clough audio system with the new Clough push pull audio transformers.

Silver Marshall has established a standard of tone quality never before realized in a radio receiver. Now you can buy a complete Silver Marshall receiving set incorporating all of the many features heretofore available only to set builders who knew by reputation where to find superior apparatus.

The Silver Marshall-Clough audio amplifier is designed for perfection of tone. Natural, lifelike tone quality is actually accomplished by means of carefully designed audio units which amplify the entire scale of musical and audible frequencies evenly producing a quality of tone comparable only with the actual performance of the artists themselves.

THE 750 ALL ELECTRIC CIRCUIT

THE new Silver Marshall all electric receiver is a true A.C. circuit using 226, 227, 171A A.C. tubes.

THE CIRCUIT

One untuned R.F. ballast stage is followed by two efficient high gain tuned R.F. stages and tuned detector employing the 227 heater type tube. A stage of finest quality audio amplification works into a stage of push pull using two 171A tubes. All stages function at peak efficiency.

Beautiful Cabinet

Installed in a beautiful, rugged, one piece metal shielding cabinet finished in two tone moire brown. A very rich appearance. It is not only beautiful and attractive but gives complete shielding as well.

Fitted with an antique brass control panel escutcheon plate on which the selector and volume control knobs may be found. Here also is the "on and off" switch. The gracefully designed escutcheon plate lends beauty and dignity to the cabinet.

The base of the cabinet is walnut, finely rubbed to an attractive finish and is fitted with rubber feet. Dimensions 23 in. long by 12 in. deep and 8 in. high.

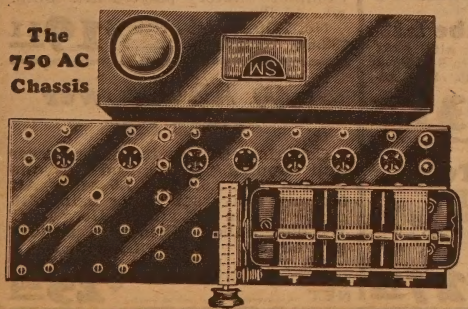
Completely Built —Not a Kit

Silver Marshall for the first time enters the field of factory built radio receivers. The first SM factory built model is, as could be expected, a proven success. In the 750 All Electric, SM incorporates all of the many discoveries and developments—the accomplishment of years of laboratory research. You are offered for the first time Silver Marshall features and Silver Marshall quality in a completely built tried and tested radio receiver—not a kit of parts which you yourself would have to assemble as heretofore.

Sensitive—Selective

The new SM 750 is a powerful receiver. It will bring you distant reception under normal operating conditions with perfection of tone. You could expect no more from a radio receiver than the SM 750 will give you. All electric—actual light socket operation. Sensitive—many distant stations are received with the full volume of locals. Selective. 10 kilocycle separation is accomplished without sacrifice to tone quality. Powerful with fidelity of reproduction found only in the highest priced receivers.

The 750 AC Chassis



SM 750 All Electric Set Only

Completely built Silver Marshall receiver. For operation on 105-120 volts 50-60 cycle A.C.

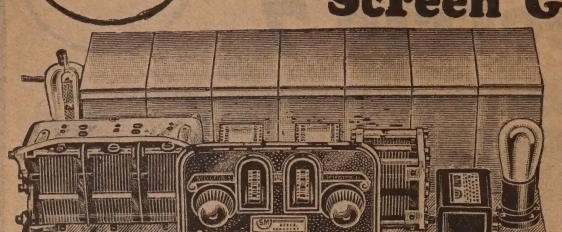
No. 8220. List, $99.00. YOUR PRICE Without Tubes..... **$58.20**

Complete With Tubes

SM 750 All Electric 7 with all accessories except loudspeaker complete ready to plug in and operate. Includes four 226 tubes, one 227, two 171A tubes and one 280 rectifying tube and aerial equipment.

No. 8221. List, $130.00. YOUR PRICE **$72.85**

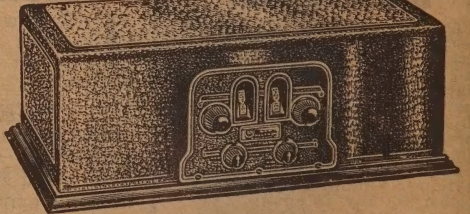
SM 1929 LAB SUPER
Screen Grid—Powerful



THE 1929 Screen Grid Nine Tube Laboratory Receiver is a nine tube superheterodyne, having only two tuning controls for a total of five stages of R.F. amplification! It is an ultra sensitive superheterodyne giving positive 10 K.C. selectivity, and usually gives 2,000 to 3,000 mile regular reception range and marvelous tone. (These are manufacturers' statements.)

The circuit employs one untuned stage of short wave R.F. amplification, followed by two stages of tuned R.F. amplification, all three tuned by a super-accurate three gang condenser controlled by one vernier drum dial. This amplifier is followed by a screen grid first detector tube, an oscillator, tuned by the second vernier drum dial and a single condenser, two stages of sharply tuned 65 K.C. intermediate amplification, a second detector and one audio stage using the new Clough audio system.

The tuned R. F. oscillator, both detectors and I.F. amplifier stages are shielded in individual copper cans which are assembled upon the S-M 701 Universal steel chassis, and the whole set is double shielded by the S-M 700 Shielding Cabinet when used.



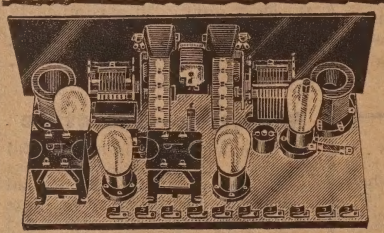
LIST OF PARTS

1—S-M 701 Universal chassis	$ 3.00	1—Yaxley 500 switch	$ 0.40
1—S-M 809 control escutcheon	2.75	2—Yaxley 420 tipjacks	.25
1—S-M 806L drum dial	2.50	6—Carter RU10 10-ohm res	1.50
1—S-M 806R drum dial	2.50	1—Carter A3 3-ohm res	.50
1—S-M 320R .00035 mfd.	4.00	1—Carter H½ ½-ohm res.	.25
1—S-M 323 .00035 mfd. 3-gang cond.	13.50	1—Durham 150,000 ohms res., with leads	.50
7—S-M 638 stage shields	10.50	3—Potter 104, 1 mfd.	3.00
3—S-M 132B R.F. trans.	3.75	7—Sprague ¼ mfd. midget cond.	5.25
1—S-M 132C oscillator	1.25	1—Polymet .00015 grid cond.	.50
1—S-M 255 A.F. trans.	6.00	1—Polymet .002 condenser	.40
3—S-M 210 long wave trans	18.00	1—Polymet 2 meg. grid leak	.50
4—S-M 512 sockets	2.40	1—Naald 481XS socket	.65
8—S-M 511 sockets	4.00	2—Moulded binding posts	.20
1—S-M 275 choke	.90	1—Set hardware	1.00
1—S-M 708 connection cable	1.75	Total List	$95.20
2—S-M 818 hook-up wire	1.00		
2—Yaxley 53,000, 3,000 ohm midget pot	2.50		

1929 Screen-Grid Laboratory Model Superheterodyne—complete kit less tubes. Wt., 45 lbs.

No. 8882. List Price, $95.20

$55.98 NET



S. M. UNIVERSAL
All Wave Tuners

THE famous S-M Universal All Wave Tuners are now more popular than ever. They provide a low priced yet ultra-efficient tuner for every purpose.

The famous four-tube circuit so widely popularized—one R.F. stage and regenerative detector followed by two audio stages—is used with S-M engineered parts to give truly amazing results. Their selectivity is ample for any congested broadcast district, and their reproduction well-nigh perfect.

Drum dials, beautifully decorated steel panel, plug-in coils (30 to 3000 meters) and high-grade audio transformers make these kits up to the last minute in every respect. There are a number of Kits, as listed below, for two and four tubes, in AC and DC models—and one screen-grid model. Panel size of all is 7x18 in., with depth to fit 12 in. deep cabinet, allowing room for S-M 648 or 649, or S-M 670 ABC or 675 ABC power units, to be included in the cabinet.

640 Universal Tuner Essential Kit

Contains essential parts for RF circuits—two tuning condensers, two coils, two sockets, one midget condenser, and one RF choke. Shipping wt. 4 lbs.

No. 7090. List Price, $16.00. NET $9.41

642 Two Tube Tuner Kit

A 2-tube kit for use with either 1½, 3, or 5 volt battery operated tubes. Designed to precede a two stage power amplifier such as the S-M unipacs. Complete factory packed kit. Ship. wt., 12 lbs.

No. 7091. List Price, $29.50. NET $17.35

642 AC Two Tube Tuner Kit

Same as above, but for AC tubes. 2 UX227 heater-type being necessary. Complete factory packed kit. Ship. wt., 12 lbs.

No. 7092. List Price, $33.25. NET $19.55

644 Four Tube Tuner Kit

For use with 1½, 3, or 5 volt battery operated tubes. A fine complete four tube when built from this factory packed kit. Ship. wt., 16½ lbs.

No. 7093. List Price, $42.75. NET $25.14

644 AC Four Tube Kit

Same as above, but for use with 2-227 1-226 and 1-171 or 210 tubes with S-M Power pack. Complete factory packed kit. Ship. wt., 20 lbs.

No. 7094. List Price, $54.00. NET $31.75

644 S G Four Tube Screen-Grid Kit

Uses a screen-grid tube in R.F. stage. For a battery or eliminator operation only. Complete factory packed kit. Ship. wt., 15½ lbs.

No. 7095. List Price, $47.50. NET $27.93

648 ABC Power Unit Kit

Contains all parts necessary to build a power unit supply 45, 90, and 220 volt B, and 1.5, 2.5, and 5 volts AC for any Universal Tuner. Uses 1—Raytheon or QRS tube. Complete factory packed kit. Ship. wt., 15 lbs.

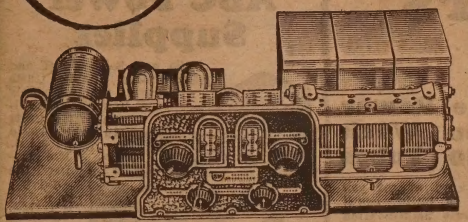
No. 7096. List Price $32.50. NET $19.11

649 ABC Power Unit Kit

Contains all parts to build a power unit supplying 45, 90, and 450 volts B, and 1.5, 2.5, and 7.5 volts AC for any Universal Tuner using 210 or 250 tube in last stage. Uses 1-281 rectifier tube. Complete factory packed kit. Ship. wt., 20½ lbs.

No. 7097. List Price $42.75. NET $25.14

SM 720 Screen Grid Six



Tremendous Amplification $42.63

For A. C. or D. C. Operation As a Kit or Custom Built

NEVER before in the history of radio has there been a receiver design so completely fulfilling the requirements of the custom-set builder as does the new S-M 720 Screen Grid Six, successor to the famous S-M 630 SG Shielded Grid Six.

Screen Grid Tubes Successful

Essentially the new 720 Screen Grid Six is a refined and greatly improved model of the earlier type 630 SG which was placed on the market in the early part of 1928. **Certainly an improved model of such a kit would be an ideal receiver and that's just what the "720" is!**

What's in the 720

The 720 consists of the three stages of radio frequency amplification, using screen-grid tubes, followed by a super-sensitive detector and two stages of Clough high gain audio frequency amplification, with power output tube—112, 171, 210, or 250 tube being optional. Every individual part of the circuit has been designed for greatest efficiency and ease of assembly.

The R.F. stages are controlled by two vernier drum dials operating one single condenser and one "three gang" die-cast bowl-type condenser of unusual accuracy and rigidity. **Ganging troubles are forever eliminated.** The new S-M 140 Universal coil is used in the antenna stage providing greater antenna selectivity than in any other set. The second and third R.F. stages are tuned by the compensated gang condenser and are individually shielded in separate copper stage shields. The new S-M 255 and 256 A.F. transformers provide twice the average amplification of ordinary audios and in addition give the set unequalled fidelity of tone.

Astonishing Performance

So selective is the 720 Screen-Grid Six that, operated in the heart of Chicago, within only one to three miles of powerful local stations, it brought in out-of-town stations only one dial division (10 K.C.) away from locals! On a short antenna it has brought in consistently, both East and West Coast stations on warm summer evenings. **Think of it! KFI was heard in Chicago through WCFL (a very powerful local, one mile away) on a hot summer night; WJZ regularly through WQJ two miles away!** The set logs positively and cannot get out of gang. It will bring in with full volume stations that cannot even be heard on much more expensive factory-built sets.

Attractive Appearance

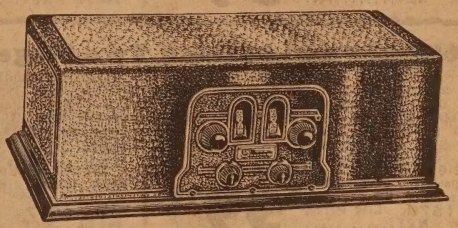
With its beautiful antique brass control escutcheon, walnut knobs and the beautiful new S-M 700 metal cabinet, finished in two-tone moire brown the 720 is a joy to the eye as well as to the ear. Its appearance when custom-built is far beyond the standards of ready-made sets and will harmonize with any surroundings. The metal cabinet provides 100 per cent shielding, augmenting the selectivity of the receiver.

Marvelous Reproduction

The tone quality of this receiver with the famous S-M 255 and 256 transformers is truly remarkable. With their flat characteristic from 100 to 8000 cycles and their rise in amplification below 100 cycles, every note of the musical scale is brought out with the full volume and fidelity of tone, without distortion regardless of volume. It brings to you a new conception of quality reproduction.

Easy to Build

Attention to every detail in the layout and design of the 720 has made it very easy to build. All parts are assembled on the ready-pierced metal chassis in a short time, and the wiring is simple and direct. The ganging, heretofore the hardest part of a single-control receiver, is already done, making only a small adjustment of the compensators necessary to perfectly line up the receiver. The custom-set builder standardizing on this set will have the benefit of national advertising and publicity, a set that goes together positively and that will out-demonstrate every fine ready-made receiver twice and three times its cost. Never before has such a value been offered—a complete simple screen grid kit for only $72.00 list, far better than any factory-built set and far lower in price!



720 Screen Grid Kit

Complete, factory packed, as described above, less tubes, requires 3 UX222 (CX322), 1 UX201A (CX301A), 1 UX112A (CX312) and 1 UX171A (CX371A); less No. 700 cabinet at $8.50 list. Ship. wt., 18 lbs.

No. 8894. List Price, $72.50. NET..... $42.63

700 Shielding Cabinet

Two-tone moire finish metal cabinet, with high-lighted panels. Fully slotted and provided with ventilating louveres. Size, 21½ in. long, 10 in. wide and 7¼ in. high. Complete, with walnut base molding. Ship. wt., 17 lbs.

No. 1088. List Price, $9.25. NET..... $5.44

701 Universal Chassis

Steel chassis for new S-M circuits, formed, pierced and enameled. Size, 21⅛ in. wide by 5⅛ in. high. Included with 720 Kit, but sold separately if desired. Ship. wt., 3 lbs. 9 oz.

No. 1010. List Price, $3.00. NET..... $1.76

702 Wood Chassis

A seasoned, stained wood chassis that will not warp. Size, 21⅞ in. long, 9⅜ in. wide and ⅝ in. thick. Fits 700 cabinet. Ship. wt., 2 lbs. 11 oz.

No. 1011. List Price, $1.50. NET..... 89c

Custom Built 720 Screen Grid Six

720 Wired Screen Grid Six is available custom-built, wired and tested in S-M factory (with factory label) complete with cabinet. Wt., 35 lbs.

No. 8899. List Price, $102.00. NET..... $59.98

708 Ten Lead Battery Cable

A ten-lead coded cable, fabric covered with tinned ends, 5 feet long over all. Furnished with S-M 720 Kit, but sold separately if desired. Ship. wt., 3 oz.

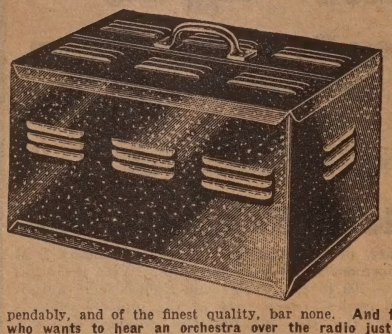
No. 1012. List Price, $1.75. NET..... $1.03

720 AC Screen Grid Six Kit

Note: At such indefinite time as Radiotron and Cunningham screen grid tubes, designed for A.C. operation, may be on the market and generally distributed, there will be available an A.C. operated model of the above S-M 720 Screen Grid Six.

SM Unipac Power Amplifiers

Type 680



The Ultimate Power Amplification With 210 and 250 Tubes

NO MATTER what kind of set you have or are going to build, you'll need power and audio amplification for it. And in Silver-Marshall light socket power amplifiers and Unipac Power Units you'll find the answer to your needs for medium and high voltage B power supplies; for ABC power units to operate 171, 210, or 250 power tubes right in your present set; a power amplifier for Dynamic speakers; one and two stage Unipac amplifiers for 210 and 250 tubes, singly or in push-pull.

No matter what your set, it must have power, and S-M Unipacs and Reservoir Power units give it to you cheaply, dependably, and of the finest quality, bar none. **And for the one who really wants fine reproduction, who wants to hear an orchestra over the radio just as loudly and clearly as though he were in its presence, the Unipacs (combined power amplifiers and receiver power supplies) are a vital necessity,** for their undistorted power outputs insure the deep, full tonal range that they alone can give—tone that adds a new zest and enjoyment to radio with its beauty, brilliance, and realism of bass and treble alike.

Unipacs may be used with dynamic, air-chrome, aircolumn, cone, or other standard speakers. All S-M power units and Unipacs operate from 105 to 120 volts, 50 to 60 cycle A.C.

681-210 and 681-250 Single Stage Amplifiers

The S-M single stage power amplifiers and B supplies are available to replace B batteries on any receiver and to add a stage of super-power amplification. Type 681-210 is a truly **push-pull** amplifier using 2 UX210 or UX250 power tubes, two UX281 rectifiers, and a UX874 voltage regulator tube. It supplies a stage of power amplification and 45, 90, and 135 volts B to the radio receiver. A lower priced unit is the 681-250, exactly the same as 681-210 but having only one UX210 or UX250 amplifier tube, though the same as 681-210 in other respects. Size, 17¼ in. long, 10½ in. high, 9¾ in. deep.

681-210 Unipac Kit. Push-pull type—factory packed, less tubes. Ship. wt., 62 lbs.
No. 1573. List Price, $87.00. NET **$51.16**

681-210 Wired Unipac Kit. Push-pull type factory wired and tested, less tubes. Ship. wt., 62 lbs.
No. 1574. List Price, $102.00. NET **$59.98**

681-250 Unipac Kit. Factory packed, less tubes. Ship. wt., 62 lbs.
No. 1575. List Price, $81.50. NET **$47.92**

681-250 Wired Unipac. Factory wired and tested, less tubes. Ship. wt., 62 lbs.
No. 1576. List Price, $96.50 NET **$56.75**

682-210 and 682-250 Two Stage Amplifiers

Two complete two stage super-power Unipac Amplifiers, for amplification of radio set detector output or phonograph record pick-up, are the finest of their types. Type 682-210 uses one UX226 first stage tube, two UX281 rectifiers, and a UX874 voltage regular tube. It supplies two stages of power amplification and 45, 90, and 135 volts B power for a receiver. Type 682-250 is the same Unipac except that it uses only one UX210 or UX250 tube in the last stage. Size, 17¼ in. long, 10½ in. high, 9¾ in. deep.

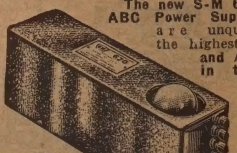
682-210 Unipac Kit. Push-pull type, factory packed, less tubes. Ship. wt., 69 lbs.
No. 1570. List Price, $102.00. NET **$59.98**

682-210 Wired Unipac. Push-pull factory wired and tested, less tubes. Ship. wt., 69 lbs.
No. 1571. List Price, $117.00. NET **$68.80**

682-250 Unipac Kit. Factory packed, less tubes. Ship. wt., 69 lbs.
No. 1577. List Price, $96.50. NET **$56.74**

682-250 Wired Unipac. Factory wired and tested. Less tubes. Ship. wt., 69 lbs.
No. 1578. List Price, $111.50. NET **$63.36**

Reservoir B and ABC Power Supplies



The new S-M 670 B and ABC Power Supply Units are unquestionably the highest grade B and ABC units in the radio field. Replacing the older model S-M Reservoir B units, they uphold their reputation in every way and perform faithfully and noiselessly, providing a source of B power as steady and continuous as the current in your light socket.

Constant Power

The new type 280 full wave rectifier is used. The filter system is the famous S-M "brute force" type, insuring freedom from hum. There are two types, 670 B and 670 ABC. The 670 B supplies fixed voltages of 22, 90, 135, and 180 volts, and a variable voltage of 22 to 90 volts calibrated at 22, 45, 67, and 90 volts. A total of 60 m.a. may be drawn at these voltages. **It is the only B power unit with voltages accurate enough for the safe use of screen-grid tubes.**

ABC Unit

The 670 ABC Unit supplies the same B voltages as 670 B, and in addition provides 1½ volts at 4 amperes, 2¼ volts at 3.5 amperes and 5 volts at ½ ampere—enough for four or five 226 type, 2-227 type and two 112A or 171A type tubes. **It is a complete ABC power supply for any AC set of six or seven tubes.** Both models are supplied in either kit or wired form, with a beautiful crackle brown steel cabinet, 13 in. long, 5¼ in. high, 3⅝ in. wide, to fit into any radio set cabinet, where desired.

670 B Kit
Factory packed, less tubes. Ship. wt., 14 lbs.
No. 1579. List Price, $40.50. NET. **$23.81**

670 B Wired Power Supply. Factory wired and tested, less tubes. Ship. wt., 14 lbs.
No. 1580. List Price, $43.50. NET **$25.58**

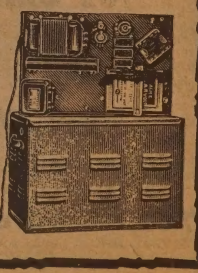
670 ABC Kit. Factory packed, less tubes. Ship. wt., 14 lbs.
No. 1581. List Price, $43.00. NET. **$25.28**

670 ABC Wired Power Supply. Factory wired and tested, less tubes. Ship. wt., 14 lbs.
No. 1582. List Price, $46.00. NET **$27.05**

685 Public Address Amplifier

The new SM685 Public Address Amplifier has been designed especially to meet the demand for a portable light-socket operated amplifier capable of covering 1,000 to 10,000 people with undistorted music or speech. It may be used indoors or outdoors. The 685 consists of three stages of S-M Audio amplification using 1—227, 1—226, and 1—250 type tubes, with self-contained power supply using 2—281 type rectifiers. The input transformer is so arranged that either radio, standard magnetic phonograph pick-up, or a single or double button microphone may be used.

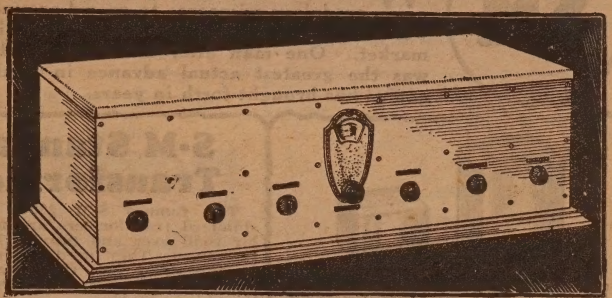
The amplifier will operate up to six loud speakers of any standard type, or with a special output transformer, (S-M221D) it will operate up to twelve speakers. It is the ideal amplifier for conventions, churches, theatres, or wherever it is necessary to increase the volume of a speaker or to furnish music to thousands of people. It is 15½ inches long, 10½ inches high, and 9¾ inches wide.



685 Unipac Kit, factory packed, less tubes. Shpg. wt., 74 lbs.
No. 1584. List Price, $125.00. NET **$73.50**

685 Wired Unipac, factory wired and tested, less tubes. Shpg. wt., 74 lbs.
No. 1585. List Price, $160.00. NET **$94.08**

SM 710 Sargent Rayment Seven Screen Grid



A Station Every 10 Kilocycles

A STATION tuned in for every ten kilocycles—**an average of one hundred stations heard in one evening!** That is the performance record of the Sargent Rayment Seven, tested in the heart of Chicago interference by the manufacturer on a warm summer evening.

In performance it is intended for the man who desires the very extreme of radio reception in all respects, irrespective of cost or other limitations—the sort of man content only to drive a Rolls-Royce car.

A Precision Receiver

The 710 Sargent-Rayment Seven is a precision laboratory radio receiver. The thick aluminum shielding chassis, beautifully finished, gives to the appearance a distinction and dignity utterly beyond that of any other radio set. Electrically, the receiver consists of five sharply tuned circuits in a four-stage screen grid R.F. amplifier, all tuned by a single illuminated drum, and provided with individual verniers. There are no other controls. Following the R.F. amplifier and detector are the A.F. amplifiers, using the famous S-M 220 audio transformers which provide unequalled tone quality and high volume. A 171 power tube can be used, or with S-M 675 ABC power supply, a UX210 or UX250 is used in the last audio stage. Light socket operation is had with standard A and B power units, or batteries may be used. The set goes together simply and positively, with clear direct wiring.

Not For the Furniture Buyer

To the fan who appreciates and values really fine performance we unhesitatingly recommend the 710 Sargent-Rayment Seven. It is not a set for the furniture buyer—for every dollar of value in it is radio value.

A Thing of Beauty

The satin-finished aluminum cabinet trimmed with black nameplates, engraved in white, is a most fitting and beautiful cabinet for such a wonderful receiver as this Sargent-Rayment Seven. Although not designed for the furniture buyer, this receiver will make a most welcome addition to the home of the most fastidious.

Operation Requirement

The Sargent-Rayment Seven requires for operation 4—UX222 screen grid R.F. amplifiers, 2—UX112A detector and first stage audio tubes, and 1—UX171A power tube. If desired a UX210 or a UX250 super power tube may be used in the last audio stage if the proper B power is supplied. For power either batteries or any good A and B battery eliminator may be used, the S-M670B being recommended for B power.

No. 8873. 710 Sargent - Rayment Seven Kit, factory packed, with cabinet. Shpg. wt., 33 lbs. **List Price, $130.00. NET.....** **$76.44**

705 Aluminum Knock-Down Shielding Cabinet

Especially designed for the Sargent-Rayment 7: 27⅞x 12x8¼ in. Included in S-M 710 Kit. Shipping weight, 12 lbs.

No. 1099. List Price, $27.00. NET **$15.88**

S-M140 Universal Coil

A coil universal in application as an antenna coupler, R.F. transformer, regenerator coil or any purpose. Used in 710 receiver. 190 to 550 meters with .00035 condenser. 2¾x3¼ in. Wt., 8 oz.

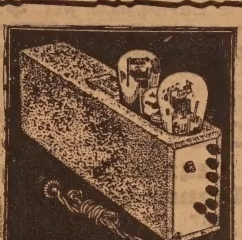
No. 1102. List, $3.00. NET **$1.76**

Custom Built Sargent Rayment 7

For those who **do not desire** to build the Sargent-Rayment, but who want the amazing results which it is capable of giving, the receiver is available in completely assembled, wired and tested form, ready to connect to batteries or eliminators. Wt., 35 lbs.

No. 8883. List Price, $175.00. NET **$102.90**

678 P Phonograph Amplifier



The NEW S-M 678P PHONOGRAPH AMPLIFIER. For use with a magnetic phonograph pick-up ONLY. Provides the finest reproduction of records obtainable, with greater volume than any other standard two-stage type.

The unit consists of a two-stage power amplifier with self-contained power supply, using 1 326 and 1 210 or 250 type tube in conjunction with the new S-M 255 and 256 audio transformers. The 678P Unipac employs 1 UX226 (CX326); 1 UX210 (CX310) or UX250 (CX350) and 1 UX281 (CX381) tubes. Complete in itself for operation upon addition of record pick-up, loud speaker and tubes. Develops sufficient volume for small theaters and dance-halls. Factory built. Ship. wt., 36 lbs.

No. 1588. 678P-D Unipac Amplifier for 90-110 volt D.C. Dynamic Speakers only. Provides field current. **List Price, $73.00. NET..** **$42.92**

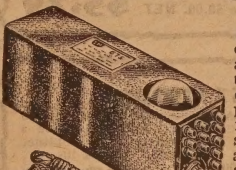
676 Dynamic Speaker Amplifier

The S-M 676 Dynamic Speaker Amplifier is a single stage power amplifier especially for use as a third stage amplifier following any standard set. Boosts the tone and volume and gets the best results from dynamic speakers. **A UX250 super-power tube is used to insure large power handling capacity.** Brings out all notes with their true tone quality, when added to any set with a dynamic speaker. The amplifier contains its own power supply using 1 UX281 type rectifier tube. It is used with any standard 90 to 110 volt D.C. dynamic speaker, which acts as a filter choke for the power supply and obtains its energizing current at the same time. **The whole unit is contained in an attractive metal case same as the 675 power supply.** Ship wt., 28 lbs.

No. 1593. 676 Amplifier Kit. List Price, $49.00. NET..... **$28.81**

No. 1594. 676 Wired Amplifier. List Price, $55.00. NET..... **$32.34**

675 ABC Hivolt Power Supply



The 675 Hivolt power supply allows the use of a 210 or 250 super power tube in the last stage of any set, adding greatly to its tone quality and power capacity. Or the 675 ABC can be used for any AC tube set.

Uses 1 UX281 (CX381) and supplies 22, variable 45 to 90, 135 and 425 volts B, and 1½, 2¼, and 7½ volts AC for power-tube filaments, 35 volts "C" for the 210 or 84 volts for a 250, 17x5¼x3 5/16 in.

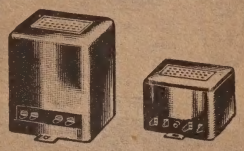
No. 1590. 675 Hivolt Kit. Ship. wt., 28 lbs. List Price, $54.00. NET.. **$31.75**

No. 1591. 675 Wired Hivolt. Ship. wt., 28 lbs. List Price, $58.00. NET.. **$34.10**

Silver Marshall Transformers

SM

WHEN the bewildering story of the radically new S-M Clough-system audio transformers burst out upon the 1928 Radio Trade Show at Chicago, it caused incredulous wiseacres to crowd around the test bench where these new transformers were being ruthlessly pitted against the highest priced instruments ever placed upon the market. One man after another turned away, convinced beyond question that here was the greatest actual advance in quality of reproduction that American inventive genius has brought forth in years.



New S-M Audios

Just Two Years in Advance

NO matter what kind of set you have or are going to build, these new transformers (audio) will give you greater amplification, tonal quality you've never heard before, and greater "punch" and volume. They are the first audio transformers to give freedom from the hysteretic distortion found in all other types. They are the first to give the realism of recreation that will make you wonder.

S-M transformers have been acknowledged leaders for two years—now these new types place S-M performance just two years ahead of the best—yet you can have this finer performance in every set you build install it in your present set, at less than average transformer costs.

223 Hi-Mu Audio

No. 951. For use between UX222 first stage screen grid tube, space charge connection, and any standard power tube. Average voltage gain of 42 per stage. Wt., 4 lbs. **List Price, $9.00.**

NET $5.29

225 First Stage Audio

No. 952. For use between any standard detector and first audio stage, flat curve up to 5,000 cycles with greater amplification at 32 cycles than at 1,000 cycles. Effective voltage gain, 4.3 to 1. The finest A.F. transformer ever manufactured. Wt., 4 lbs. **List Price, $9.00.**

NET..... $5.29

226 Second Stage Audio

No. 953. For use with 225, above, between first and second stages, and has a voltage gain of 3.5 to 1. Sharp cut-off between 5,000 and 8,000 cycles. Wt., 4 lbs. **List Price $9.00. NET $5.29**

251 Output

No. 954. A combination output unit to match any standard power tube and giving a new standard of performance to any amplifier with 112 or 171 type tubes. Wt., 4 lbs. **List Price, $6.00.**

NET..... $3.53

255 First Stage Audio

No. 955. Used between detector and first audio stage, it provides a rise in amplification between 65 and 300 cycles and is then a perfectly flat characteristic to 8000 cycles. Effective ratio, 4.2 to 1. Wt., 4 lbs. **List Price $6.00. NET $3.53**

256 Second Stage Audio

No. 956. A companion to 255 for use in second stage to provide a similar curve. Ratio, 3.5 to 1. One 255 and one 256 will give finest reproduction. Wt., 4 lbs. **List Price, $6.00. NET $3.53**

S-M Standard Transformers

The famous S-M 220's and other standard transformers are more popular than ever and provide better performance. They need no introduction to the radio fan, they are ideal for light socket power amplifiers and public address systems.

220 Audio Transformer

No. 1065. An all-stage transformer providing substantially straight-line amplification from 30 to 5000 cycles. Ratio, 3 to 1. Sharp cut-off above 5,000 cycles. The largest selling high grade transformer ever made! Ship. wt., 4 lbs. 6 oz. **List Price, $8.00.**

NET..... $4.71

221 Output Transformer

No. 1064. For use between speaker and power tube in any radio receiver to prevent blasting and damage to speaker, and to improve reproduction. Ratio, 1 to 1.89. Ship. wt., 4 lbs. 4 oz. **List Price, $8.00.**

NET..... $4.71

222 Output Transformer

No. 1056. Same as No. 221 except equipped with four tip jacks and 5 foot cord. Shpg. wt., 4 lbs. 5 oz. **List Price, $8.00.**

NET..... $4.71

230 Push-Pull Input

No. 1054. For use in a high grade push-pull amplifier or as a variable ratio audio transformer, with ratio of 3 to 1 or 6 to 1. Frequency characteristics same as 220. Ship. wt., 4 lbs. 6 oz. **List Price, $10.00. NET $5.88**

231 Push-Pull Output

No. 1053. For use with No. 230 in push-pull circuit or as a variable ratio output transformer to match either 112 or 210, or 171 and 250 tubes. Ship. wt., 4 lbs. 6 oz. **List Price, $10.00. NET..... $5.88**

242 Microphone Transformer

No. 957. For use as either single or double-button microphone or as a line input transformer to power amplifiers. Two primaries and one secondary. Ship. wt., 2 lbs. 4 oz. **List Price, $7.00.**

NET..... $4.12

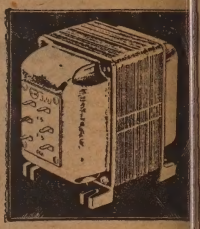
247 Filament Transformer

No. 958. For use in heating A.C. tube filaments. Supplies 1.5 volts at 5 amps.; 2¼ volts at 3½ amps.; and 5 volts at 1 amp. Ideal for use with A.C. harnesses. Ship wt., 2½ lbs. **List Price, $5.00. NET. $2.94**

325 Filament Transformer

No. 959. A heavy duty filament lighting transformer supplying 1½ volts at 12 amps.; 2½ volts at 12 amps. and 5 or 7½ volts at 3 amps. Ship. wt., 5 lbs. **List Price, $12.50. NET..... $7.35**

S-M Power Transformers



The S-M line of power transformers comprises a transformer for every need. They have long been the standard in power supply units, because of their generous design coupled with cost lower than competitive types.

327 Power Transformer

No. 960 A heavy duty transformer for 281 half-wave or 280 full-wave rectifiers. Has two 250 volt; two 7½ volt, 2 amp.; one 1½ volt, 1 amp.; and one 2¼ volt, 3.5 amp. secondaries. For 110 volts, 60 cycles A.C. only. Shpg wt., 8½ lbs. **List Price, $15.00. NET..... $8.82**

328 Power Transformer

No. 961. A heavy duty transformer for fullwave 281 rectifiers. Has two 550 volt, 125 M.A.; two 7½ volt, 2½ amp. secondaries. Furnishes ample ABC current for 210 or 250 tubes and receiver besides. For 110 volt 60 cycle A.C. only. Shpg. wt., 7½ lbs. **List Price, $20.00.**

NET $11.76

329 Power Transformer

No. 1063. For gaseous or filament type rectifiers. Has two 200 volt and one 5 volt, 2 amp. secondaries. For 110 volt, 60 cycle A.C. only. Equipped with cord and plug. Shpg. wt., 4 lbs. 14 oz. **List Price, $9.00.**

NET..... $5.29

329BU Power Transformer

No. 976. For gaseous or filament type rectifiers. Has two 275 volt, 125 M. A.; one 5 volt, 1 amp.; one 1½ volt, 6 amp.; and one 2½ volt, 6 amp. secondaries. Complete with cord and plug. Shpg. wt., 5 lbs. unmounted. **List Price $10.00.**

NET..... $5.88

330 Power Transformer

No. 1061. Has two 330 volt and one 7½ volt, 4 ampere secondaries. Complete with cord and plug. Shpg. wt., 5 lbs. **List Price, $9.00.**

NET..... $5.29

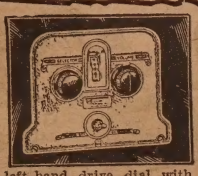
331 Unichoke

No. 1058. A two winding high inductance double filter choke of combined brute force type. Inductance, primary 2 henries, secondary 30 henries. Rating 125 M.A. continuous duty. Shpg. wt., 4 lbs. 10 oz **List Price, $8.00. NET.. $4.71**

SM Silver-Marshall Parts

EVERY experienced fan knows the high quality and dependability of S-M standard parts. Each and every S-M product is built with just two ideals—the first, to make the best possible product regardless of cost, and the second to pass on to you the savings made possible through quantity production methods possible only to the largest quality parts manufacturer in America.

806-L Vernier Drum Dial



No. 962. A left-hand drive dial with beautiful gold etched scale. Positive in action. No backlash. Walnut knob. Complete without panel window. Ship. wt., ½ lb. List Price, $2.50. NET **$1.47**

806R Vernier Drum Dial

No. 963. Same as 806L, except for right-hand drive. Ship. wt., ½ lb. List Price, $2.50. NET **$1.47**

807 Drum Dial Window

No. 964. A single drum dial window for above dials. Antique brass finish, very attractive. Ship. wt., 2 oz. List Price, 50c. NET **29c**

808 Single Control Escutcheon

No. 965. An antique brass control panel for one dial, combined volume control, on-off switch, and sensitivity control. Size 6¼ in. high by 8 in. long. Ship. wt., ½ lb. List Price, $2.25. NET **$1.32**

809 Dual Control Escutcheon

No. 966. An antique brass control panel for two dials and two auxiliary controls. Used on S-M 720 and 740 receivers. Size 6¼ in. high by 8⅞ in. long. Ship. wt., 9 oz. List Price, $2.75. NET **$1.62**

703 Walnut Finish Panel

No. 967. 7x24 in. steel panel to adapt S-M escutcheon to standard cabinets. Wt., 2 lbs. List Price, $4.00. NET **$2.35**

511 Tube Socket

No. 1052. A four prong genuine moulded bakelite socket for all standard UX tubes. Positive contact spring. Ship. wt. 2 oz. List Price, 50c. NET **29c**

512 Tube Socket

No. 1051. Same as 511 except 5-prong for A.C. heater type tubes or for S-M 130 Series plug-in coils. Ship. wt., 2 oz. List Price, 60c. NET **35c**

275 R. F. Choke

No. 1095. To keep R.F. currents from going astray. Polished moulded bakelite case. Impregnated winding. Inductance 2½ Mh. For use up to 600 meters. Ship. wt., 2 oz. List Price, 90c. NET **53c**

276 R. F. Choke

No. 1094. Same as 275 except for use above 600 meters. Inductance 10 Mh. Ship. wt., 2 oz. List Price, $1.00. NET **59c**

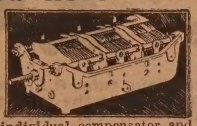
277 R. F. Choke

No. 968. Specially designed for use below 200 meters. Low distributed capacity and better short wave qualities than any competitive choke. Used in S-M "Round the World Four" Kit. Ship. wt., 2 oz. List Price, $1.50. NET **88c**

818 Hook-Up Wire

No. 969. The popular No. 20 tinned copper, fabric covered hook-up wire. Put up in 25 foot coils. Ship. wt., 3 oz. List Price, 50c. NET **29c**

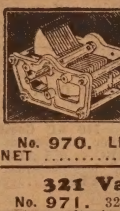
323 Three Gang Condenser



A three unit gang condenser, the most accurate ever made, in rugged die-cast frame for either side, end or bottom mounting. Each unit is equipped with an individual compensator and shielded from other units. Capacity each unit .00035 mfd., all units guaranteed to match to within 1% over upper half of scale, or to 1 mfd., over lower half of scale. Ship. wt., 3 lbs.

No. 972. List Price, $13.50. NET **$7.94**

320-R Universal Condenser



A single .00035 mfd. variable condenser, truly universal, with full floating removable shaft. Mounts on either side, bottom or either end for left or right hand drive. Double-spaced modified SLF-SLW plates. Size 2½ by 4⅛ by 4 inches. Ship. wt., 1 lb.

No. 970. List Price, $4.00. NET **$2.35**

321 Variable Condenser

No. 971. 321 Condenser—same as 320R, except capacity is .00014 mfd. List Price, $4.00. NET..... **$2.35**

340 Midget Condenser

Capacity, .000003 to .000025 mf. Lacquered brass plates mounted on a Bakelite end plate. For panel or base mounting. Complete with bakelite knob. Ship. wt., 6 oz.

No. 1070. List Price $1.50. NET.. **88c**

342 Midget Condenser

No. 1069. Same as 340 except capacity is .000004 to .000075 mf. Ship. wt., 6 oz. List Price, $1.75. NET **$1.03**

BETTER SERVICE

YOU GET PROMPT SHIPMENTS AND BETTER SERVICE FROM ALLIED.

PROMPT SHIPMENTS

638 Stage Shield

A small, compact copper shield 4½ in. long, by 5½ in. high, and 2⅝ in. wide, with pierced bottom and removable sides and top. Accommodates any kind of tube with any S-M plug-in coils, plus resistors and by-pass condensers. An ideal shield for all R.F. stages. Ship. wt., 7 oz.

No. 974. List Price, $1.50. NET **88c**

631-A Stage Shield

A slotted and pierced aluminum box shield with removable top, 5⅝ in. long, 7⅝ in. wide. Bottom pierced for coil, socket, condenser, chokes, and loads. An ideal R.F. stage shield. Ship. wt., 11 oz.

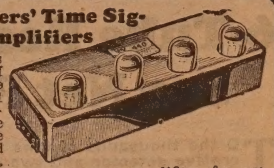
No. 975. List Price, $2.00. NET **$1.18**

540 Sub-Panel Brackets

Cadmium plated steel sub-panel brackets, 6 in. long, 1¼ in. high, and ¼ in. wide, with screws and nuts. Ship. wt., 4 oz.

No. 1089. List Price, 70c per pair. NET **41c**

Jewelers' Time Signal Amplifiers



Famous S-M Time Signal Amplifiers are three stage and detector, sharply tuned long-wave amplifiers for use with any DC R.F. tubes (No. 440 for 201A's and No. 440SG for screen-grid tubes). They consist of three stages of R.F. amplification, individually copper shielded and laboratory tuned and calibrated to 112 K.C.—plus a super sensitive detector.

No. 1556. 440 Time Signal Amplifier. For standard 201A tubes. Ship. wt., 5 lbs. List Price, $35.00. NET **$20.58**

No. 1557. 440SG Time Signal Amplifier. For screen grid tubes. Ship. wt., 7 lbs. List Price, $40.00. NET **$23.52**

LONG WAVE TRANSFORMERS

The famous S-M 210 and 211 transformers have enjoyed a long-lived reputation and are known the world over. Enclosed in black bakelite case with knurled binding posts. They may be used with UX199, UX201A, or UX222 screen grid tubes, with which they are ideal.

210 Long Wave Transformers

No. 1097. Iron core type supplied at any peak frequency between 50-60 K.C. (or between 60-70 K.C. for 199 tubes). Ship. wt., 4½ oz. List Price, $6.00. NET **$3.53**

211 Long Wave Transformers

No. 1096. Sharply tuned air-core type. Supplied in any peak frequency from 50 to 70 K.C. Ship. wt., 6 oz. List Price, $6.00. NET **$3.53**

S-M Plug-In Coils

S-M Plug-In coils have held for three years a position of leadership. Ribbed molded bakelite forms, spaced windings and low losses make them the most efficient coils known today. They are made in five ranges for all wave bands from 30 to 3,000 meters and are for use with a .00035 mf. condenser, except 117 types for .00014 mf. condensers. Wt., 8 oz. each. The ranges are as follows:

A type— 190 to 550 meters.
B type— 70 to 200 meters.
C type— 30 to 75 meters.
D type— 500 to 1500 meters.
E type—1100 to 3000 meters.

Cat. No.	S-M No.	Cat. No.	S-M No.
1074.	110-A	985.	114-E
1075.	110-B	986.	114-SG
1076.	110-C	1083.	115-A
1077.	110-D	1084.	115-D
980.	110-E	987.	115-E
1078.	111-A	1086.	116-A
1079.	111-B	1087.	116-D
1080.	111-C	988.	116-E
1081.	111-D	989.	117-M
981.	111-E	990.	117-N
1082.	114-A	991.	117-O
982.	114-B	992.	117-P
983.	114-C	993.	118-A
984.	114-D	994.	119-A

All S-M A, B, C, SG, M, N, O and P Coils. List Price, $2.50. NET..... **$1.47**

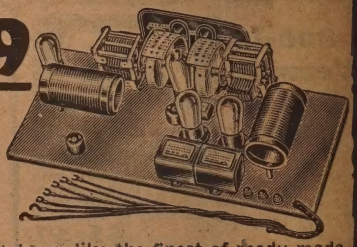
All S-M D and E Coils. List Price, $5.00. NET **$2.94**

S-M 113 Coil form only. No. 1072. List Price, $1.75. NET **$1.03**

S-M 515 Coil Socket. No. 1071. List Price, $1.00. NET **59c**

SM 740 Coast-to-Coast Screen Grid Four

6-Tube Results For Net Price $29.99



TO the thousands of fans for whom the four tube R.F. amplifier regenerative detector and two stage audio circuit is the time tested standby and the standard of receiver comparison, the new Silver-Marshall Coast to Coast Four offers the finest performance yet attained with this remarkable circuit. A screen grid R.F. amplifier stage, immeasurably finer coils than ever before, the new Clough high gain audio system with S-M 225 and 256 transformers—and metal chassis, and antique brass control escutcheon, like the finest of ready made sets, make the "740" the biggest $50.00 worth of radio set you've ever seen or listened to.

The Coast-to-Coast Four

Its story is told in its name—the Coast to Coast Four. In summer-time tests, through Chicago static and heat, it has played New York, Florida, Texas and California stations on the loudspeaker, cutting through interference to distant programs only 10 and 15 or 20 Kc. away from "locals" with decisiveness and ease. Its tone quality is wonderful. It will take 171, 210 or 250 power tubes.

The "eye-value" of the "740" is on a par with the best of ready-made sets when it is housed in the new Silver-Marshall type 700 metal shielding cabinet finished in a rich and beautiful two-tone crystalline brown which harmonizes with any home furnishings. **Battery or light socket operation is optional.**

Despite the fact that this remarkable four-tube screen grid receiver has consistently brought in more stations with better volume, finer tone, and greater selectivity than all other sets in its price class against which we have tested it, the complete kit of all approved parts costs but $51.00!

Low Price—Real Performance

We go emphatically on record that no matter what set you build or buy, the 740 Coast to Coast Four is the best value you can find at its price. Assembled easily and simply, performs with a vengeance, and for the professional set builder provides a **low-priced set that will outdemonstrate all popular 6 tube one-dial ready-made sets up to twice its price.**

Requires 1—UX222, 2—UX201A or UX112A detector and first stage amplifier and 1 UX171 power tube (UX210 or UX250 power tube can be used with S-M 675 ABC power unit).

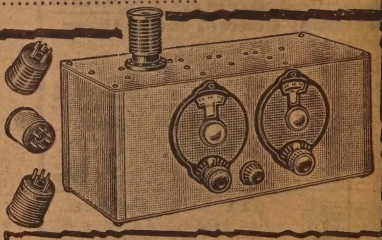
No. 8895. 740 Coast to Coast Kit complete factory packed, less cabinet. Ship. wt., 15 lbs. List Price, $51.00. NET..... **$29.99**

No. 8896. 740 AC Coast to Coast Kit for use with Ceco or other independent AC Screen Grid Tubes, and S-M 620 ABC or 675 ABC power units. Complete, factory packed, less cabinet. Wt., 15 lbs. List Price, $53.00. NET..... **$31.16**

Round the World 4

Screen Grid Short Wave

Tune Over the "Thrill Band" with an S-M Short Wave Set



HAVE you had your taste of the **"thrill band"**—the wavelength band from 17 to 200 meters? Down on these low waves are the foreign broadcasters—English 5SW with Colonial programs, Dutch, French, German and other rebroadcast programs. Down there you'll find KDKA, WGY, WLW, with true low wave rebroadcast that you can hear when static blankets out their regular waves. And **TELEVISION**—it's on the low waves that you hear the musical sing-song that means the transmission of living pictures! In the **"thrill band"** you can hear amateurs in every continent.

S-M "Round the World" short wave receivers have all the advantages of screen grid R.F. amplification, and one dial tuning, new Clough high gain audio amplifications with S-M 255 and 256 audios, and complete shielding cabinets!

730 "Round the World Four"

A complete 4 tube short wave receiver kit with its aluminum shielding cabinet. It has 1 screen grid R.F. stage, a regenerative, non-radiating detector and 2 high gain Clough audio stages. Tunes from 17.4 to 214 meters with four 131 type plug-in. coils. Brings in five continents in an evening's tuning.

731 "Round the World Adapter"

This is the 2-tube R.F. amplifier and detector less the 2 stage A.F. amplifier of the above set, with an adapter plug, it converts any set at all long-distance short wave reception. Ideal for television reception.

732 "Round the World" Essential Kit

Contains the new tuning and tickler condensers, four plug-in coils for 17.4 to 204 meters, a coil socket, and three R.F. chokes. Instructions for building a 1, 2, 3 or 4-tube short wave set.

730 "Round the World Four Kit"

Complete, factory packed with cabinet. Ship. wt., 11 lbs.

No. 8897. List Price, $51.00. NET..... **$29.99**

731 Round the World Four Adapter

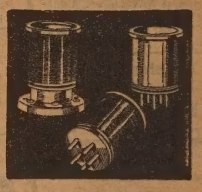
Complete, factory packed kit with cabinet. Ship. wt., 8 lbs.

No. 8898. List Price $36.00. NET **$21.17**

732 Round the World Essential Kit

Complete, factory packed kit described above. Ship. wt., 3 lbs.

No. 1060. List Price, $16.50. NET... **$9.70**



Midget Plug-In Coils

Coil forms for any 5 prong socket. Winding space 1½ in. long by 1½ in. diam.; ⅜ slot at bottom. Wt., 8 oz. each.

No.		
1001.	130-P Coil Form—smooth. List 65c. NET.....	38c
1002.	130-T Coil Form, 98½ threads. List 65c. NET.....	38c
1003.	131-T Coil, 17.4 to 32.1 meters with .00014 mfd. cond. List $1.25. NET.....	74c
1004.	131-U Coil 31 to 58 meters with .00014 mfd. cond. List $1.25. NET.....	74c
1005.	131-V Coil 57 to 110 meters with .00014 mfd. cond. List $1.25. NET.....	74c
1006.	131-W Coil 104 to 204 meters with .00014 mfd. cond. List $1.25. NET.....	74c
1024.	131-X Coil, 190 to 358 meters with .00014 mfd. cond. List $1.25. NET.....	74c
1025.	131-Y Coil, 344 to 647 meters with .00014 mfd. cond. List $1.50. NET.....	88c
1007.	132-A, 190 to 550 meters with .00035 mfd. cond. List $1.25. NET.....	74c
1008.	132-B Coil—R.F. trans, for 1929 Laboratory Set. List $1.25. NET.....	74c
1009.	132-C Coil—Oscillator for 1929 Laboratory Set. List $1.25. NET.....	74c

The Paulina Knight A·C· ELECTRIC 8 9

YOUR PRICE
$81.85

The Paulina console with its sliding doors presents a dignified yet striking appearance.

A SLIDING DOOR MODEL OF EXCEPTIONAL DESIGN

EVERYTHING you would look for in the highest priced receivers is offered you in this striking model—tone quality—volume— sensitivity—distance range—and beauty of console design. It combines in one unit the famous Knight 8/9 All Electric Circuit—a popular sliding door console—and the finest speaker equipment available. The Paulina Model Knight stands forth as one of the season's most unusual radio values.

REAL ELECTRIC OPERATION

The perfection of the new A. C. tubes, whose filaments are actuated by raw A. C. current, has made possible a new perfection in A. C. operated receivers. Troublesome batteries, chargers, and eliminators have been done away with—and you are offered in their place the real convenience of your electric light outlet for the operation of your receiver. It makes your radio reception as dependable as your electric light power.

THE KNIGHT 8/9 CIRCUIT

The Knight 8/9 circuit employs a total of nine tubes—so designed that each tube operates at maximum efficiency. Operation requires five type 226 A. C. tubes, one type Y227 detector tube, two type X171A power tubes, and one type X280 rectifier tube. Three stages of radio frequency assure extreme distance range. Two stages plus push-pull audio amplification provide wonderful tone quality and volume. Designed for operation on 105-120 volts, 50-60 cycle A. C. current.

TONE QUALITY

Power tube equipment in the Knight 8/9 results in marvelous tone quality. Ample transformer design assures low note reception, without a falling-off in the higher scale, resulting in natural reproduction.

SELECTIVITY

The Paulina Receiver is noted for its sensitivity. It will pick up the faintest radio impulses and build them up to loud speaker volume. Such sensitivity assures the utmost in selectivity.

RESERVE POWER

An oversize power plant built-in as an integral part of the Knight 8/9 chassis assures freedom from breakdowns and provides a reserve power far in excess of normal requirements. Each tube is operated at full recommended voltage.

EXEMPLIFYING THE ULTRA-MODERN IN CONSOLE DESIGN

Too much cannot be said regarding the striking beauty of the Paulina Console. Its graceful proportions reflect the real art of competent furniture designers. Only the finest of carefully selected American Walnut panels are used—selected for the beauty of the grain. The completed cabinets are hand rubbed to that soft, velvety appearance that can only be associated with the finest furniture. The sliding doors are a feature that readily appeal to the critical buyer. Console stands 44 inches high, top measures 27x18 inches. The Paulina Console will find a receptive radio public awaiting it. You will do well to make it one of your feature receivers for the season.

RECEIVER WITH FARRAND MAGNETIC CONE SPEAKER

The Paulina Knight 8/9 Receiver complete as illustrated. Equipped with a genuine Farrand Magnetic type cone speaker—noted for its remarkable tone quality—and the Famous Knight 8/9 circuit. Accessories are not included. An exceptional offering at the low price quoted. Complete chassis description will be found on page 16.
No. 9980. Regular value, $165.00.
YOUR PRICE **$81.85**

WITH DYNAMIC SPEAKER

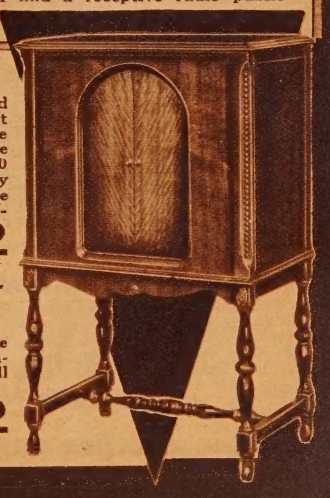
Here the Paulina is offered equipped with a Genuine Farrand Dynamic Speaker. This powerful speaker is of the 110 volt A. C. type as described on page 88.
No. 9981. Regular value, $195.00.
YOUR PRICE **$94.85**

WITH CONE SPEAKER AND ALL ACCESSORIES

Here the Paulina receiver is offered complete, ready to operate. Equipment includes five type X226 A. C. tubes, one type Y227 detector tube, two type X171A power tubes, one type X280 rectifier tube, along with all necessary aerial and ground equipment. Genuine Farrand Magnetic Cone Speaker included.
No. 9982. Regular value, $200.00.
YOUR PRICE... **$97.80**

WITH DYNAMIC SPEAKER AND ALL ACCESSORIES

Same as above except with Genuine Dynamic Power Cone Speaker. A complete description of this speaker will be found on page 88.
No. 9983. Reg. value, $225. YOUR PRICE **$110.80**



The Sentinel 8-9 Knight

$79.75

A New Receiver Powerful—Selective

THE famous Knight 8-9 Receiver is winning instant recognition as one of the season's outstanding radio values. Its eight tubes plus one rectifier tube operates at full efficiency, providing remarkable distance range. Push pull audio—the utmost in tone quality. Perfect engineering assures utmost efficiency in reception. The rare beauty of the console is in strict keeping with Knight Quality.

Push-Pull Power Audio

Power amplification in the popular push pull arrangement results in a tone quality that will astound you. Ample volume is available—yet under instant control—from full volume to a whisper. The enthusiast will find a new delight in the tuning ease and extreme distance range of the Knight 8-9 Circuit. Illuminated Drum Control showing through the attractive Chinese design escutcheon plate, and beautiful panel.

Console of Rare Beauty

In the Sentinel Console you will find a masterpiece of the cabinet maker's art. Carefully selected, beautifully grained woods are used in its construction. Selected burl walnut makes up the front doors while attractive bird's-eye maple overlays add to its overall beauty. Measures 28½ inches long, 16½ wide and 46 inches high.

Knight Quality Throughout

The illustration cannot do justice to the wonderful appearance of the Sentinel Console. Words cannot adequately describe the efficiency and tone quality of the Knight 8-9 Receiver. Only by sitting down and tuning it—listening to it—will you get a real conception of its beauty and efficiency.

Equipped With Farrand Magnetic or Dynamic Speaker

The Sentinel Console comes equipped with genuine Farrand speakers. Magnetic cone speakers are available as well as the new power Dynamic speakers. A full description of these wonderful power speakers will be found in the speaker pages of this catalog.

Set Only—With Farrand Speaker

For 105 to 120 volts. A.C.—Set and Console equipped with a Genuine Farrand Magnetic Cone Speaker—noted for its pure mellow tone and sensitiveness. Requires five type 226 tubes, two type 171, one type 227 and one type 280 rectifier tube.

No. 9809
Value $185
Your Price **$79.75**

With All Accessories—Ready to Operate

For 105 to 120 volts, A.C.—with all accessories—nothing else to buy—including Farrand Magnetic Cone Speaker and five type 226 tubes, two type 171, one type 227, one type 280 rectifier tube and all necessary aerial and ground equipment.

No. 9810
Value $220
Your Price **$95.70**

Set Only—With Farrand Dynamic

For 105 to 120 volts, A.C.—Set and beautiful Console, including Genuine Farrand Dynamic Power Cone Speaker. Requires five type 226 tubes, two type 171, one type 227 and one type 280 rectifier tube. Highest quality throughout.

No. 9811
Value $220
Your Price **$92.75**

With All Accessories—Ready to Operate

For 105 to 120 volts, A.C.—equipped with all accessories—nothing else to buy—including Farrand Power Dynamic Speaker, five type 226 A.C. tubes, two type 171, one type 227, one type 280 rectifier tube and necessary ground and aerial equipment.

No. 9812
Value $240
Your Price **$108.70**

See another page for detailed description of Knight 8-9 set

AMBASSADOR A·C Knight 8-9

The Ambassador console proves the instant delight of the lover of good furniture. Just below the receiver a convenient drop door opens to a spacious chamber for log books, etc.

Radio De Luxe

IN designing the Ambassador Receiver, nothing has been overlooked in making it one of the finest receivers available on the market today. The receiver proper—the console—and its speaker equipment are all outstanding leaders of their kind.

A-C Operated

In keeping with modern radio design and advanced engineering principles, the Ambassador needs only to be plugged into the electric light socket for all its power. Its power plant is of oversize construction—eliminating hum and providing a wide safety factor, assuring freedom from breakdowns.

Knight 8-9 Circuit

Push-pull amplification in the Knight 8/9 circuit with power tube equipment imparts to the Ambassador a new standard in tone quality and volume. This wonderful tone quality is further enhanced by the Genuine Farrand speaker equipment which is furnished with the Ambassador. A more detailed description of the Knight 8/9 circuit will be found on page 16. Designed to operate on 105-120 volt, 50-60 cycle A. C. current.

Genuine Walnut Console

The Ambassador Console is of Genuine American Walnut. Its attractive front doors are faced with fancy matched butt walnut overlaid with well figured scrolled maple and shaped mouldings. The console stands 52 inches high, 33½ inches wide, and 18½ inches deep. The legs are turned and fluted and rigidly braced with an ornamental stretcher. The beauty of the walnut burls along with the massive general appearance impart unusual richness.

Here a closed view of the Ambassador Console shows to advantage the attractive burl panels used in its construction.

Real Tone and Volume

Genuine Farrand Speakers are built-in as standard equipment in the Ambassador. The enviable reputation of these speakers makes them a worthy companion to the Knight circuit. They reproduce with perfect fidelity the wonderful tone of the famous Knight push-pull audio.

Set With Cone Speaker

The Ambassador Knight 8/9 with its beautiful walnut console equipped with a genuine Farrand Magnetic type cone speaker, is here offered at a price that places it within the reach of all. A complete description of this speaker will be found on page 88. Tubes, aerial and ground equipment not included.

No. 9872. Retail list, $250.00. YOUR PRICE..... **$107.50**

With Dynamic Speaker

Same as above except equipped with Genuine Farrand Dynamic type Power Cone Speaker. See detailed description of speaker on page 88.

No. 9874. Retail value, $300.00. YOUR PRICE..... **$120.50**

With All Accessories Ready to Operate

Here the Ambassador is offered with a Farrand Magnetic Cone Speaker and all accessories—including 5 type X226, one type Y227, two type X171A, and one type X280 rectifier tube, along with all aerial and ground equipment. Nothing has been overlooked—it comes to you ready to set up and operate.

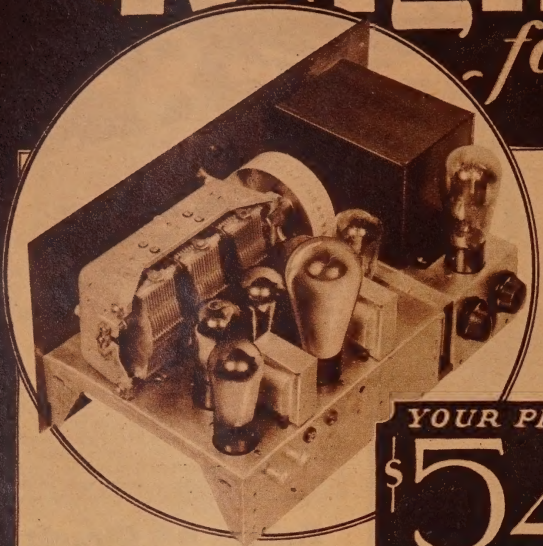
No. 9873. Retail list, $281.00. YOUR PRICE..... **$123.45**

With Dynamic Speaker and Accessories

Complete with all accessories and Power Dynamic Speaker. Offers the ideal combination for the utmost in tone and volume. A real value.

No. 9875. Retail value. $330.00. YOUR PRICE..... **$136.45**

The Knight 250 ELECTRIC A.C. for Power in Amplification



NOW! NEW TONE AND VOLUME

Here is a new triumph in radio engineering—a perfected A. C. chassis employing the powerful "250" power amplifying tube. Revolutionary in design—astounding in performance. The goal of radio engineers to incorporate this wonderful power tube in a moderately priced home receiver has been realized. You will marvel at the power of its reception—its wonderful tone quality—its selectivity and its tremendous undistorted volume.

THE NEW "250" POWER TUBE

The new "250" power tube stands forth as the season's foremost tube development—and it remained for Allied engineers to incorporate this wonderful tube in a practical radio receiver. Today tone quality is the first requisite of the modern receiver—and in the Knight "250" tone quality reaches a new standard of perfection.

YOUR PRICE
$54.85
CHASSIS ONLY

CIRCUIT PERFECTION

Perfect engineering in circuit design imparts to the KNIGHT "250" a new standard of performance IT TAKES FROM EACH TUBE ITS FULL POWER, PROVIDING MAXIMUM EFFICIENCY. Three stages of radio frequency assure extreme distance range. The detector is of the TUNED RADIO FREQUENCY TYPE while two stages of TRANSFORMER COUPLED audio amplification employing the NEW "250" TUBE in the last or output stage provides a NEW TREAT in quality of tone and tremendous volume.

A NEW STANDARD for TONE and VOLUME

Everything that you look for in the IDEAL RECEIVER will be found in the KNIGHT "250" CHASSIS. Every part entering into its construction is of the finest. Careful testing before assembly assures MECHANICAL AND ELECTRICAL PERFECTION in the finished receiver. Perfect shielding coupled with the extreme care used in MATCHING ALL PARTS makes for a new standard of sensitivity and selectivity. The power pack is of AMPLE DESIGN and OVERSIZE CONSTRUCTION, assuring freedom from breakdowns and long uninterrupted service under the most trying conditions. It provides a RESERVE POWER FAR IN EXCESS of all normal requirements. One dial control SIMPLIFIES THE OPERATION of the receiver and makes for REAL PLEASURE in tuning.

Chassis Only as Illustrated

The Knight "250" A. C. all-electric chassis is offered here for those who desire to install it in their own console. Panel measures 8x18 inches. Set measures 10½ inches deep overall. Requires for operation four type X226 A. C. tubes, one type Y227 detector tube, one X250 power tube and one type X280 rectifier tube. A real value.
No. 9904. Retail value, $125.00.
YOUR PRICE $54.00

The Consort KNIGHT MODEL 250 A.C.

USES THE NEW 250 POWER TUBE!

THE new Knight "250" A. C. electric circuit is here offered in table model cabinets of attractive colors. Available in a beautiful Brown Bronze that harmonizes well with walnut or mahogany—a bright Chinese Red or Chinese Green that will add a touch of cheeriness to any room. They measure 19½ inches long, 14½ inches deep and 9¾ inches high.

COLORED CABINETS

The remarkable efficiency of the Knight "250" A. C. circuit with its unusual sensitivity, hair splitting selectivity and tremendous volume along with the attractively colored metal cabinets, makes them one of the season's greatest receiver values. The critical radio buyer who is satisfied with nothing short of the finest will find his ideal in the Consort Model "250" A. C. Knight.

TONE QUALITY DE LUXE

Employing the new type "250" power tube, they bring to you a new conception of what tone quality in a radio receiver can really be. The circuit employs three stages of radio frequency, providing a remarkable distance range, while efficient design imparts unusual selectivity.

POWER GALORE

The tremendous power of the new "250" power tube results in a new perfection of tone quality and makes possible volume far in excess of all normal requirements. An efficient volume control makes possible a perfect adjustment of volume from a whisper to the full capacity of the receiver.

SET WITH ALL ACCESSORIES

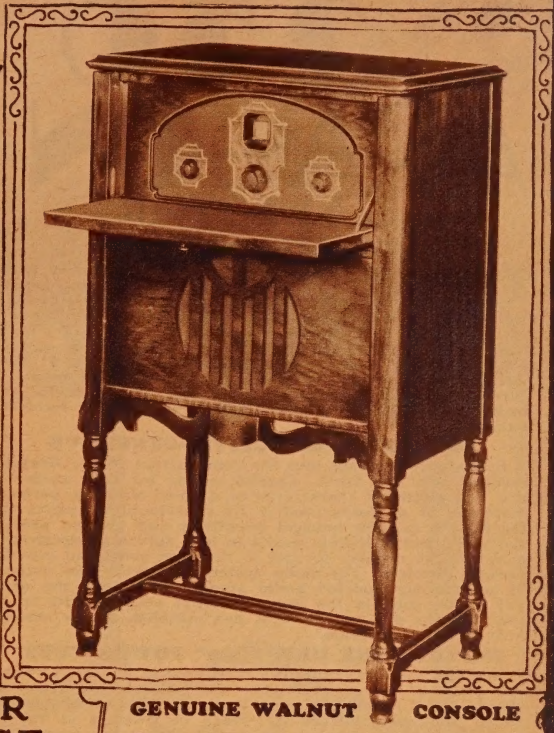
Here the Consort receiver is offered with all necessary accessories for operation except speaker. Equipment includes four type X226 A. C. tubes, one type Y227 detector tube, one type X250 power tube and one type X280 rectifier tube, along with all necessary aerial and ground equipment.
No. 9905. Retail value, $165.00.
YOUR PRICE $76.65

SET ONLY AS ILLUSTRATED

Here the Consort model receiver is offered as illustrated. Loud speaker and accessories not included. For those who desire the season's foremost receiver development, the Consort is offered. The live dealer will do well to make it a feature receiver for the season.
No. 9906. Retail value, $125.00.
YOUR PRICE $58.50

POWER AMPLIFICATION FOR REAL TONE!

Radio's most Beautiful Console Set—NORMANDY A·C· ELECTRIC Knight 250



SUPREME IN TONE QUALITY

THE tremendous demand of the radio buying public for better tone quality in radio reception has resulted in many improvements in modern radio receivers. Yet in the Knight "250" receiver a still higher standard of tone quality has been achieved. In the Normandy model, you are offered not only this wonderful tone quality achievement, but one of the season's most popular types of console cabinets and to complete the assembly a genuine Farrand Speaker is built in as standard equipment.

THE NEW "250" POWER TUBE

The new 250 type tube makes possible a new standard of perfection in radio reception. This tube, loudly acclaimed as the season's greatest tube advancement, is incorporated in the Knight "250" circuit. Efficient circuit design takes from this marvelous tube a new quality of output resulting in a roundness of reception, in a fullness of volume that proves the instant delight of all who hear it.

WONDERFUL DISTANCE RANGE

Three stages of radio frequency along with a tuned detector stage imparts to the new "250" receiver extreme sensitivity. It enables you to reach out and bring in the distant stations with surprising ease.

The wonderful audio system consisting of two stages of transformer coupled audio amplification builds up these far distant stations to a volume comparable to locals. The DX enthusiast will find a new treat in store when tuning this marvelous receiver.

FARRAND SPEAKERS

The Normandy model is offered equipped with genuine Farrand speakers as a fitting companion to the quality output of the new "250" amplifying tube. These speakers have been selected because of their wide frequency range—naturalness in reproduction and tremendous volume carrying capacity. They bring forth the full value of the wonderful amplifying system in the Knight "250" receiver.

YOUR PRICE $74.95

GENUINE WALNUT CONSOLE

The beautiful Normandy console stands 37 inches high, 22½ inches wide and 15 inches deep. Its design is the work of skilled furniture artists. The smallest constructional details have been carefully worked out and modern manufacturing methods imparts to it a ruggedness and rigidity that will prove a revelation to the purchaser. The substantial turned legs are securely braced with an attractive stretcher. Top of the console tilts up permitting access to the receiver while a convenient drop door closes off the receiver when not in use and acts as an arm rest when tuning.

SET WITH FARRAND MAGNETIC CONE SPEAKER

Here the Normandy is offered with a genuine Farrand Magnetic Type Cone Speaker. The assembly includes the beautiful Normandy console along with the famous Knight "250" all-electric circuit. For 105-120 volt 50-60 cycle A. C. operation. Accessories not included.

No. 9907. Retail value, $150.00. YOUR PRICE..... $74.95

SET WITH FARRAND DYNAMIC CONE SPEAKER

Here the Normandy is offered equipped with a genuine 110 volt A. C. type Farrand Dynamic Power Speaker. The unusual sensitivity of the Dynamic Speaker makes it the ideal unit for use with the Knight 250 receiver. Accessories not included. An exceptional value.

No. 9908. Retail value, $180.00. YOUR PRICE $87.95

WITH CONE SPEAKER AND ALL ACCESSORIES

Here the Normandy is offered with a genuine Farrand Magnetic Type Cone Speaker along with four type X226 A. C. tubes, one type Y227 detector tube, one type X250 power tube, one X280 rectifier tube and all the necessary aerial and ground equipment. Nothing has been overlooked. Highly recommended.

No. 9909. Retail value, $190.00. YOUR PRICE $93.10

WITH DYNAMIC SPEAKER AND ALL ACCESSORIES

Equipped with genuine Farrand Dynamic Speaker and all necessary accessories for its operation. Equipment includes four type X226 A. C. tubes, one type Y227 detector tube, one X250 power tube, one X280 rectifier tube and all necessary aerial and ground equipment.

No. 9910. Retail value, $215.00. YOUR PRICE. $106.10

KNIGHT A-C 250 ARAGON
ALL ELECTRIC

THE NEW TREND IN RADIO

THE discriminating radio buyer who is satisfied with nothing short of the finest will find in the Aragon model Knight "250" receiver a new conception of radio perfection. It features a popular type of console along with the famous Knight "250" circuit employing the new 250 power tube and a genuine Farrand speaker. The beauty of the Aragon walnut console—the remarkable efficiency of the Knight "250" circuit and the wonderful tone and volume-carrying capacity of the Farrand Speaker all combine to make the Aragon one of the season's outstanding receiver values.

POWERFUL—SELECTIVE—SENSITIVE

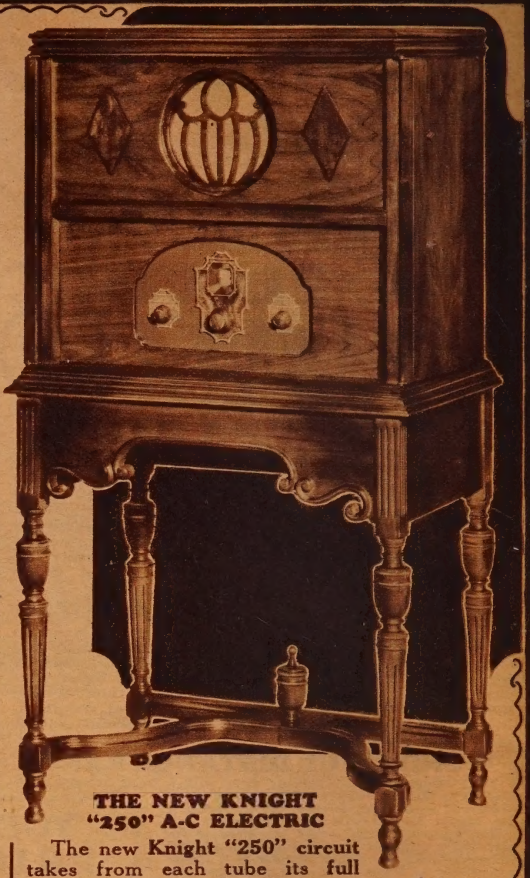
Every part entering into the construction of the Aragon receiver is of the finest. Careful testing for both mechanical and electrical characteristics coupled with the perfect matching of all parts used in its construction imparts to the Knight receiver unusual selectivity and extreme sensitivity. Perfect shielding results in hair splitting selectivity, adapting the receiver for use in the most congested broadcasting districts. The audio system employing two stages of transformer coupled audio amplification with the new 250 power tube in the last or output stage results in a tone quality and volume that has established new standards in radio reception.

EMPLOYS THE NEW "250" POWER TUBE

The new 250 power tube which is used in the last or output stage of the new Knight "250" all electric receiver stands forth as the season's foremost tube development. Allied engineers, backed by years of training in radio, have successfully developed a circuit that takes from this tube the full quality of its output.

WONDERFUL TONE AND VOLUME

In the Knight "250" receiver, you not only receive wonderful tone and volume, but unusual selectivity and sensitivity as well. The circuit is a carefully balanced and synchronized assembly of parts and the utmost care has been exercised to assure maximum radio efficiency. The sub-chassis is die formed of 16 gauge steel cadmium plated to secure the greatest radio frequency gain possible assuring extreme sensitivity. The coils are space wound on genuine Bakelite forms and are perfectly matched for electrical characteristics.



THE NEW KNIGHT "250" A-C ELECTRIC

The new Knight "250" circuit takes from each tube its full power resulting in peak operating efficiency. Three stages of radio frequency assure extreme distance range. The detector stage is of the tuned radio frequency type while the two stages of transformer coupled audio amplification employ especially designed transformers covering an extremely wide frequency range. The use of the new "250" power amplifying tube in the last or output stage provides a new treat in quality of tone and tremendous volume.

Shielding—Illuminated Drum—Powerful—Selective

WALNUT CONSOLE OF UNIQUE DESIGN

THE beautiful Aragon console is substantially constructed of carefully selected and matched genuine walnut woods with attractive scroll design overlays on the doors. The attractively turned legs are substantially reinforced by a beautiful ornamented stretcher imparting unusual rigidity to the console. Its dignified, attractive design coupled with its beautiful two tone finish keeps it in harmony with any type of home furnishings. The console stands 62 inches high, 28 inches wide and 18 inches deep.

WITH FARRAND CONE SPEAKER

Here the Aragon is offered with a GENUINE FARRAND MAGNETIC TYPE CONE SPEAKER. The assembly includes the beautiful Aragon console along with the famous Knight "250" all-electric circuit. For 105-120-volt, 50-60-cycle A.C. operation. Accessories not included.

No. 9911. Retail value, $200.00.
YOUR PRICE..... **$96.85**

WITH DYNAMIC SPEAKER

Here the Aragon is offered equipped with a GENUINE 110-volt A.C. type FARRAND DYNAMIC POWER SPEAKER. The unusual sensitivity of the Dynamic Speaker makes it the ideal unit for use with the Knight "250" receiver. Accessories not included. AN EXCEPTIONAL VALUE.

No. 9912. Retail value, $220.00.
YOUR PRICE.. **$109.85**

WITH FARRAND CONE AND ALL ACCESSORIES

Here the Aragon is offered with a GENUINE FARRAND MAGNETIC TYPE CONE SPEAKER along with four type X226 A.C. tubes, one type Y227 detector tube, one type X250 power tube, one X280 rectifier tube and all the necessary aerial and ground equipment. NOTHING HAS BEEN OVERLOOKED. Highly recommended.

No. 9913. Retail value, $235.00.
YOUR PRICE **$115.00**

WITH DYNAMIC SPEAKER AND ALL ACCESSORIES

Equipped with GENUINE FARRAND DYNAMIC SPEAKER and ALL NECESSARY ACCESSORIES for its operation. Equipment includes four type X226 A.C. tubes, one type Y227 detector tube, one X250 power tube, one X280 rectifier tube and all necessary aerial and ground equipment.

No. 9914. Retail value, $260.00.
YOUR PRICE. **$128.00**

The ARCADIA
ALL ELECTRIC
A/C Knight "250"

YOUR PRICE **106.35**

SLIDING DOOR CONSOLE OF GENUINE WALNUT

A unique feature of the **Arcadia Console** is its sliding doors—so arranged that they **slide back** into the console itself out of the way. The console stands 50 inches high, 27½ inches wide and 17 inches deep. The case is of **genuine black walnut** and fine **American gum woods.** The front and side panels are of **matched butt walnut.** Finished in a **fine high-lighted, shaded and rubbed lacquer.**

TREMENDOUS AMPLIFICATION
SUPREME TONE QUALITY

THE goal of radio engineers to attain **better tone quality** in radio reception has **attained new significance** with the advent of the new type X250 power amplifying tube. Tube manufacturers acclaim this tube as the **last word in power tube design**—and the man who knows radio will readily agree that Allied Engineers have **scored a real triumph** in developing a circuit for this tube.

THE IDEAL RECEIVER

The Arcadia Model **Knight "250"** places before the radio buying public the **ultra-modern** in a console model receiver. The beautiful **sliding door console,** is meeting with an **enthusiastic reception** wherever shown. Equipped with a **genuine Farrand Magnetic type speaker** and this new Knight "250" all electric receiver it makes a **radio combination** beyond comparison with present day standards.

WONDERFUL DISTANCE RANGE

You cannot appreciate the **rugged construction** of the new **Knight "250" chassis** without seeing it. Die formed in **one piece** of 16 gauge cadmium plated metal it **provides a shielding** and housing for the apparatus and wiring that **imparts unusual sensitivity** and selectivity to the receiver. Its wonderful **distance range** will astound you.

POWERFUL—SELECTIVE

Just plug the Arcadia Receiver into the electric **light socket** and it is ready to operate. Its attractive illuminated drum dial provides a turn ratio of 3 to 1, permitting extra fine tuning. Receiver operates on 105-120 volt, 50-60 cycle A.-C. current. **The rich and beautiful appearance of the Arcadia Receiver will meet with instant approval.**

SET WITH FARRAND CONE SPEAKER

Here the Arcadia is offered with a **genuine Farrand Magnetic Type Cone Speaker.** The assembly includes the beautiful Arcadia console along with the famous Knight "250" all electric circuit. For 105-120 volt 50-60 cycle A. C. operation. **Accessories not included.**

No. 9915. Retail value $215.00.

YOUR PRICE..... **$106.35**

SET WITH DYNAMIC CONE SPEAKER

Here the Arcadia is offered equipped with a **genuine** 110 volt A. C. type **Farrand Dynamic Power Speaker.** The unusual sensitivity of the Dynamic Speaker makes it the ideal unit for use with the Knight "250" receiver. Accessories not included. **An exceptional value.**

No. 9916. Retail value $245.00.

YOUR PRICE..... **$119.35**

WITH CONE SPEAKER AND ALL ACCESSORIES

Here the Arcadia is offered with a **genuine Farrand Magnetic Type Cone Speaker** along with four type X226 A. C. tubes, one type Y227 detector tube, one type X250 power tube, one X280 rectifier tube and all the necessary aerial and ground equipment. **Nothing has been overlooked.** Highly recommended.

No. 9917. Retail value $255.00.

YOUR PRICE..... **$124.50**

WITH DYNAMIC SPEAKER AND ALL ACCESSORIES

Equipped with **genuine Farrand Dynamic Speaker** and all necessary accessories for its operation. Equipment includes four type X226 A. C. tubes, one type Y227 detector tube, one X250 power tube, one X280 rectifier tube and **all necessary** aerial and ground equipment.

No. 9918. Retail value $285.00.

YOUR PRICE..... **$137.50**

The MARQUIS A-C Knight All Electric 8-9

BED ROCK PRE-INVENTORY PRICES ON THE SEASONS GREATEST RADIO VALUES

A-C OPERATED — POWERFUL — SENSITIVE — SELECTIVE

THE old standard of radio, good as it was supposed to be, is now discarded. The Marquis A. C. Knight, All-Electric Receiver is establishing a new standard for radio. Its performance is astounding. Three stages of radio frequency, perfectly balanced, provides a sensitiveness that brings in the most distant stations with remarkable ease. Push-pull audio amplification—now acknowledged as radio's finest amplification system is standard equipment in all Knight 8/9 Models. It provides a purity of tone that can only be compared to the original rendition, while the use of two power amplifying tubes assures you of ample volume for all occasions. In the Marquis Receiver, you are getting features that today are found only in the highest priced sets—yet the Marquis is offered at a surprisingly low price.

A MASTERPIECE OF RADIO

You will be quick to appreciate the **many advantageous features** of real A. C. operation as offered in the Marquis A. C. receiver. Its extreme sensitiveness, **unusual selectivity,** tremendous power and **unusual tone** and volume coupled with the **outstanding beauty of its genuine walnut console** will win your instant admiration. Efficient shielding in the Knight 8/9 circuit assures unusual selectivity and **freedom from critical adjustments.** Its remarkable sensitivity permits unusual distance range.

CAREFULLY MATCHED PARTS

Only the finest parts are used in the construction of the celebrated **Knight 8/9 all-electric receiver.** Each part, before assembly, is **carefully tested** for both its **mechanical and electrical characteristics,** assuring remarkable perfection in the completed Knight chassis. Efficient shielding provides **unusual selectivity** and this, coupled with its unusual sensitivity and remarkable tone quality assures you of **real radio satisfaction** in the **Marquis receiver.**

The KNIGHT 8/9 For Tone

Two power tubes in the Knight **push-pull power system** assures tremendous volume and **true tonal** reproduction. The low notes of the musical scale so long missing in radio reproduction are **saved with their full value** in the **Knight 8/9 circuit.** Its tremendous volume is under instant control from a whisper to the full round volume required in a large hall. Equipped with **genuine Farrand speakers.**

SHIELDED BATTLESHIP CONSTRUCTION

REAL TONE AND VOLUME

Perfectly Balanced

The unusual efficiency of the Knight 8/9 circuit is due **to the extreme care exercised in the perfect matching of parts and careful balancing** of the finished receiver. It comes to you in **perfect condition,** with all fine adjustments sealed.

SELECTIVE POWERFUL SENSITIVE

The sliding door feature of the Marquis receiver assures for it a ready reception wherever the ultra-modern in furniture is appreciated.

BEAUTIFUL CONSOLE OF GENUINE WALNUT

The beautiful Marquis Console is constructed of only **the most carefully selected woods.** The case is of **genuine black walnut,** and fine American gum woods. The front and side panels are of **matched butt walnut.** The **sliding disappearing doors** are of matched butt walnut trimmed with antique brass hardware. Finished in a **fine high-lighted,** shaded and rubbed lacquer. A unique feature of the Marquis Console is the design of its doors. They slide **back into the console itself,** permitting its being placed in any snug corner without fear of damage to the doors. The console stands 50 inches high, measures 27½ inches wide and 17 inches deep. A beautiful **silk backed grille** covers the speaker compartment while an attractively designed **wood panel** sets off the chassis in unusual style.

WONDERFUL TONE AND VOLUME

Available with **genuine Farrand Speakers** of either the **Magnetic Cone, or Power Dynamic Types.** The ability of a receiver to pick-up distant stations, is not the only test of its quality. Tone and volume are also an important factor. The use of **push-pull audio amplification** in the Knight Circuit employing power tubes, **provides tone quality** that is surprising in its fidelity, with a volume that is **far in excess of all normal needs.** The genuine **Farrand Speakers,** due to their wide range and capacity, are ideal for the Knight Circuit. Receiver operates on 105-120 volts, 50-60 cycle A. C. current.

THE KNIGHT 8/9 A-C CIRCUIT

The Knight 8/9 A. C. electric circuit employs **a total of nine tubes** in three stages of **radio frequency,** one tuned **radio frequency detector** stage, two stages **transformer coupled** audio and **one stage push-pull audio** amplification employing power tubes. Designed for operation on 105-120 volts, 50-60 cycle A. C. current. **Expertly assembled.**

ALL ELECTRIC NO HUM

In the Knight 8/9 A. C. chassis, **the power plant** which is built in as an **integral part** of the unit, is of ample size and capacity, providing a **wide safety factor.** Its large **over-size filtering system assures** a total freedom from hum, while a **convenient high-low switch** adapts it to high or low voltages.

BUY NOW! AT THESE NEW LOW PRICES

SET ONLY WITH FARRAND CONE SPEAKER

Equipped with a genuine Farrand Magnetic Type Cone Speaker, the Marquis is offered as illustrated. Price quoted does not include tubes. Detailed description of speaker will be found on page 88. **An exceptional value.**

No. 9860. Reg. value, $210. YOUR PRICE $97.35

WITH ALL ACCESSORIES

The Marquis receiver with **Farrand Magnetic Cone Speaker** and all accessories including five type X226 A. C. tubes, one type Y227 detector tube, two type X171A power tubes, one type X280 rectifier tube with aerial and ground.

No. 9861. Regular value, $235.00. YOUR PRICE..... $113.30

WITH FARRAND DYNAMIC SPEAKER

Equipped with a genuine Farrand 110 volt A. C. type Power Dynamic Speaker, this receiver offers **the ideal combination** for the **utmost in tone quality and volume. Highly Recommended.**

No. 9862. Regular value, $225.00. YOUR PRICE $110.35

WITH ACCESSORIES AND DYNAMIC SPEAKER

Including five type X226 A. C. tubes, one type Y227 detector tube, two type 171A power tubes and one type X280 rectifier tube and all necessary ground and aerial equipment. **A real value.**

No. 9863. Retail list, $260.00. YOUR PRICE..... $126.30

Selective-Powerful-Sensitive

RADIO-PHONO

YOUR PRICE

$189

WONDERFUL TONE AND VOLUME

The radio receiver and reproducing equipment in this combination receiver is a marvel of engineering skill, offering extreme sensitivity and selectivity. It brings to listening ears a range of tonal beauty that covers the entire scale from the highest to the lowest notes. It catches all delicate shadings audible to the human ear. A volume control is provided on the receiver, permitting perfect adjustment of volume from a whisper to the full volume of a large orchestra.

Perfect ENTERTAINMENT

The radio phonograph combination is the ideal instrument for the critical music lover who would have available at all times suitable entertainment. Should the radio not offer the proper entertainment for the occasion, the emergency can be instantly met by throwing the switch and reproducing your music electrically from your phonograph records. This places the instrument at your call twenty-four hours a day, and it offers you a dependability in operation as constant as your electric light source.

A CONSOLE OF STRIKING BEAUTY

The exquisite console is of selected genuine walnut, picked for the beauty of its grain. The doors are faced with finely matched butt walnut attractively overlaid with well figured maple and heavy shaped mouldings. A convenient drop door is arranged at the lower front providing ample space for four large sized albums.

BETTER FURNITURE FOR THE HOME

The trend to better furniture in the home assures a responsive market for this console. The beautiful turned and fluted legs with ornamental cross stretcher coupled with the graceful design and proportions of the console proper adapt it for use in any setting. The console stands 52 inches high, is 32½ inches long and 18¼ inches deep.

Super Tone Quality Deluxe

EMPLOYS NINE TUBES FOR TONE-VOLUME-POWER

Employing a total of nine tubes in the radio receiver, it offers you a tremendous reserve power. The same wonderful tone quality and volume that you receive in phonograph reproduction is yours in radio reception as well. Its remarkable distance range will prove an ever increasing delight to its proud owner. Equipped with Farrand Dynamic Power Cone Speaker, it is capable of tremendous volume. The unusual sensitivity of the radio receiver enables you to cut right thru the locals to bring in distant stations under the most trying conditions.

ELECTRICALLY OPERATED

PUSH-PULL AUDIO

DYNAMIC SPEAKER FOR TONE

COMPLETE as ILLUSTRATED—Less Tubes

Here this remarkable radio phonograph combination is offered complete as illustrated, including all necessary phonograph equipment. Consisting of a genuine electric induction type motor and turn table, especially designed tone arm and high-grade electric pick-up, along with an efficient volume control and variable speed adjustment and off and on switch. Equipped with the famous Knight all electric 8/9 set as described on page 16. A complete description of the speaker will be found on page 88. Tubes are not included.

No. 9945. Retail list, $375.

YOUR PRICE .....

189.00

The Ultra-Modern in a

COMBINATION

A.C. ELECTRICALLY OPERATED

THE lover of **real music** and the **radio enthusiast** who are satisfied with **nothing short of the finest** in radio will find their ideal in this **remarkable radio phonograph combination.** It offers you everything you would expect to find in the highest priced **electrical reproducing instruments**—wonderful tone quality—**power amplification**—striking beauty in console design and the **real convenience of A. C. operation.** It invites comparison with the **highest priced receivers or electrical reproducing phonographs.** It is the product of a **trained group** of **skilled engineers** whose years of experience in the design and construction of radio apparatus finds its culmination in this **remarkable radio phonograph combination.**

REPRODUCE YOUR PHONOGRAPH RECORDS ELECTRICALLY

The remarkable **tone quality** and **volume** made possible through **electrical reproduction** of talking machine records **is offered you** in this new combination receiver. Power amplification employing two power tubes in a **push-pull arrangement** assures **tremendous amplification** without distortion. Its tone quality and volume is comparable in every way to the finest **reproducing instruments.**

FROM RADIO TO PHONOGRAPH AT THE TURN OF A SWITCH

A convenient switch is **built-in** as part of this unit, **permitting the instant switching** from phonograph to radio, or vice versa. This feature permits a **permanent installation** and eliminates the necessity of disturbing any of the tubes in the radio receiver when either the radio or phonograph parts are to be used.

ALL ELECTRIC—NO BATTERIES

The use of the new A. C. tubes makes possible the **real convenience** of A. C. operation. The dependability of your **electric light power** becomes the dependability of your receiver—**assuring consistent performance.** No batteries, chargers or eliminators—just the real convenience of **snapping on** your electric light switch.

THE KNIGHT 8/9 RECEIVER

Equipped with the famous **Knight 8/9 A. C. circuit,** it offers you **genuine A. C. operation** without the use of batteries, eliminators, etc. Draws **all necessary power direct from the electric light socket.** The circuit employs a total of **nine tubes** in three stages of radio frequency amplification, one tuned radio frequency detector stage, two transformer coupled audio stages and **one push-pull power audio amplification stage** employing power tubes. Designed for operation on 105-120 volt, 50-60 cycle A. C. current.

DYNAMIC Speaker PUSH-PULL AUDIO

The phonograph motor is of the **induction type** and is **unusually silent in operation.** An improved **electrical pick-up** and the newest type of **tone arm** along with a **standard-sized turn table** makes up the phonograph equipment.

Performance Beauty Power

TREMENDOUS POWER

Designed for A. C. operation, **it requires only to be plugged into the electric light socket for all its power.** Its power plant is of **over-size construction** and so designed that it supplies the **full recommended voltage** to all the tubes, **assuring peak efficiency** at all times.

CONTAINS THE FINEST EQUIPMENT

Everything entering into the construction of this **remarkable radio phonograph** combination is of the finest. **No expense has been spared** to place before you a reproducing instrument of the first order. The smallest details have **been carefully worked out** resulting in a perfection seldom found in the finest of reproducing instruments.

COMPLETE—READY TO OPERATE

Here this remarkable radio phonograph combination is offered complete with all equipment **requiring only to be plugged into the electric light socket** for operation. Equipment includes five type X226 A. C. tubes, one type Y227 A. C. detector tube, two type X171A power tubes and one type X280 rectifier tube along with all necessary aerial and ground equipment. **It comes to you ready to operate.** Nothing has been overlooked. The receiver and all phonograph equipment are included along with a **genuine Farrand Dynamic Type Power Cone Speaker. No. 9946. Retail price, $400.**

YOUR PRICE **199.00**

Reproducing Instrument

Knight BERWYN *Phono-Radio* AC Electric

COMBINATION DE LUXE

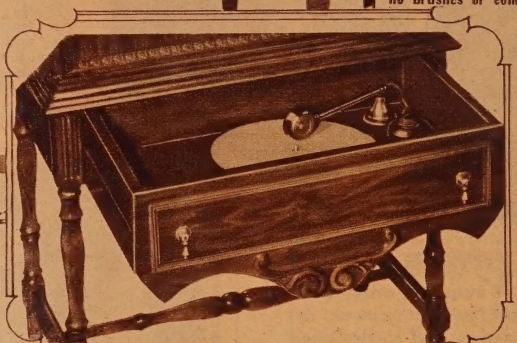
HERE you are offered an unusual value in a high grade Radio-Phonograph Combination for A-C Operation. It includes a genuine Farrand Dynamic Speaker assuring the utmost in tone quality.

WALNUT CONSOLE

The genuine walnut console is of unique design. The complete phonograph equipment is contained in the form of a drawer just underneath the radio set. Console is constructed of genuine selected walnut beautifully finished and hand-rubbed to a soft dull sheen. The beautiful front doors go all the way back to the sides. Attractively turned legs and cross stretcher impart unusual rigidity. Console stands 53 in. high, by 28½ in. wide, by 17¼ in. deep.

COMPLETE PHONOGRAPH for Electric Reproduction

A genuine Induction Electric Motor and turntable is included. The motor is of the noiseless induction type having no brushes or commutators to set up disturbances in the reproducer. A high grade tone-arm and electric pick-up along with a volume control and off-and-on switch complete the phonograph equipment.



A-C OPERATED

In the Berwyn Phono-Radio combination you are offered the real convenience of A-C Operation—drawing all of its power direct from the electric light mains. It offers you dependable consistent operation on 105-120-volt, 50-60-cycle A-C current.

The Radio Circuit

The radio equipment in the Berwyn Model is of the finest. It houses the famous Knight 8/9 A-C Circuit as fully described on Page 12. It offers you the utmost in extreme sensitivity, remarkable distance range, hair-splitting selectivity, tone quality and volume. Its ample size power plant provides a wide safety factor assuring freedom from breakdowns.

Without Tubes

$134.50

No. 9943

SINGLE CONTROL RADIO ILLUMINATED DRUM

STRIKING panel appearance with the distinctive EMBOSSED BRONZE CHINESE DESIGN escutcheon plate and ILLUMINATED DRUM CONTROL. Real electric reproduction of your phonograph records brings out their marvelous tone quality and volume with unusual fidelity. The unusual efficiency of the Knight 8/9 Circuit offers the critical radio buyer his ideal in radio reception. Its genuine Farrand Dynamic Cone Power Speaker equipment is assurance to the man who knows radio, of the remarkable tone quality and volume-carrying capacity of the Berwyn Model.

MARVELOUS TONE QUALITY

The use of two stages of transformer coupled audio plus one stage of push-pull power audio amplification in the Knight Circuit results in unusual tone quality and volume without a trace of distortion. The Farrand Dynamic Speaker due to its tremendous volume-carrying capacity is the ideal speaker equipment for this circuit. The lover of fine music will be quick to appreciate the exquisite tone quality of the Berwyn Model.

DYNAMIC POWER SPEAKER

Dynamic Power Speaker used in this model offers you a perfection in phonograph reproduction and radio reception that is establishing new standards in this type of receiver. It comes to you complete with all necessary accessories requiring only to be plugged into the electric light socket for its power.

COMPLETE—READY TO OPERATE

ALL NECESSARY ACCESSORIES INCLUDED

The Knight Berwyn **Phono-Radio combination** is here offered as a **complete unit.** It consists of a **beautiful walnut console,** the famous **Knight 8/9 A-C Receiver,** a genuine **Farrand Dynamic Power Cone Speaker,** and **Electric noiseless induction type phonograph motor** and turntable along with a **specially designed tone-arm and electric pick-up.** An off-and-on switch is provided permitting **instant switching** from **radio to phonograph** or vice-versa. Efficient **volume controls** are supplied **on both the radio receiver and phonograph** permitting **perfect volume control.** Accessories include 5 type X226 A-C tubes, 1 type Y227 detector tube, 2 type X171 power tubes and 1 type X280 rectifier tube along with sufficient aerial and ground equipment to take care of the most difficult installations.

NOTHING ELSE TO BUY

Everything necessary for the Berwyn combination is included. Nothing has been omitted. It comes to you complete with all accessories and equipment, ready to plug into the electric light socket and operate. Highly recommended as an unusual value. Shpg. wt., 160 lbs.

$144.50

No. **9944.** Retail list, $350.00. YOUR PRICE.....

Electric Phonograph and Radio

CONSONA

Excello Model

RADIO - PHONOGRAPH

The Ideal Combination

THE ideal combination in radio and phonograph equipment housed in one of the season's most beautiful consoles. It comes to you completely equipped with a famous Knight 8/9 A-C Receiver, all phonograph equipment and a genuine Farrand Dynamic Cone Speaker. The finest of everything. It re-creates your talking machine records electrically with a tone quality and volume comparable with the highest priced electrical instruments. Its radio receiver offers you the utmost in radio efficiency. Operates on 110-volt, 50-60-cycle A-C current.

Electric Phonograph and Radio Set

In the Consona everything necessary is included for its operation. A quiet induction Electric Motor drives the turntable while a specially designed tone-arm and high grade electric pick-up carries the electrical impulses from the record to the audio amplifying system of the receiver. A convenient switch alongside of the turntable enables you to switch from phonograph to radio instantly. No other changes in the set are necessary.

The Walnut Console

The console is constructed of select matched Butt Walnut veneers. Its top door closing off the phonograph turntable is of the balanced type and can be raised to any desired angle without the use of catches, etc. The receiver compartment is in the form of a sliding drawer permitting ready access to the receiver when desired. The console stands 50 in. high, 28 in. wide and 19 in. deep. Its unique design and beautiful finish makes it a gem of the cabinet maker's art.

Ample Record Space

In the Consona Model sufficient space is provided to accommodate four large size record albums, two on each side of the speaker.

Dynamic

The use of a Farrand Dynamic Cone Speaker in combination with the push-pull audio system of the Knight 8/9 Circuit assures the finest tone quality with ample volume. This same wonderful tone quality is yours in radio reception as well as in phonograph reproduction.

THE KNIGHT 8/9 A-C CIRCUIT

The famous Knight 8/9 A-C Circuit provides real A-C Operation drawing all necessary power direct from the electric light socket. The circuit consists of one stage untuned radio frequency amplification, two stages tuned radio frequency amplification, one tuned radio frequency detector stage, two stages transformer coupled audio and one stage bass reproducing push-pull power amplification. Its unusual design and shielded construction provides remarkable sensitivity and selectivity with power to spare. Its illuminated drum provides perfect control and simplifies tuning.

Real Volume

The use of power tubes in the Knight 8/9 push-pull audio system provides a tremendous reserve of volume. The remarkable volume carrying capacity of the Farrand Dynamic Power Cone Speaker makes this tremendous volume available without a trace of distortion.

A-C OPERATED—REAL CONVENIENCE

Employing the new A-C Tubes the Consona Model offers you the utmost convenience in real A-C Operation. Just plug it into the electric light socket and it is ready to go. No batteries, no eliminators, no chargers. It offers you the dependability of your electric light power. Equipped with Electric Motor and Turntable. An efficient electrical phonograph pick-up is included. A new type volume control provides exceptionally fine adjustment on volume when using the phonograph arrangement. In the reproduction of the electrically recorded phonograph records if offers you a tone quality and volume that is comparable in every way to the highest priced instruments.

COMPLETELY EQUIPPED—READY TO OPERATE

Equipment consists of genuine Electric Motor of the induction type, complete with turntable. A tone-arm of unusual design is furnished fitted with exceptionally high grade electric pick-up. A genuine Knight 8/9 A-C Receiver is built-in along with a genuine **Farrand Dynamic Power Cone** Speaker as fully described on Page 88. Accessories include 5 type X226 A-C Tubes, 1 type Y227 A-C Detector Tube, 2 type X171 Power Tubes, 1 type X280 Rectifier Tube along with all aerial and ground equipment. A complete description of the radio chassis will be found on Page 16. Wt., 180 lbs.

No. 9950. Retail list, $400.00. YOUR PRICE.....

$179.00

DYNAMIC POWER SPEAKER

Speaker Consoles & Consolettes

BEAUTIFUL TABLES WITH AIR COLUMN HORNS

EQUIPPED WITH 9 FOOT AIR COLUMN TONE CHAMBER

THE tremendous popularity of the exponential type Air Column Horn has created an unusual demand for quality furniture designed to accommodate these large horns. In these genuine Walnut tables with their Air Column Horn equipment, you are offered the utmost in speaker cabinet construction.

REAL WALNUT

Only the finest carefully selected Walnut is used in the construction of these tables. Their beautiful hand-rubbed lacquer finish retains all the natural beauty of the wood. Their rigid construction and expert workmanship assure for them unusual long life.

Accommodates Any Radio Set

The ample size of this beautiful speaker table adapts it for use with the largest receivers. It stands 33 in. high, measures 34 in. wide and 18 in. deep. It is equipped with a genuine Puropower 9½ ft. exponential type Air Column Horn. The unusual size of this horn, coupled with its correct exponential design, assures the utmost in low note reproduction.

GENUINE FIDELITY UNIT

Standard equipment with this remarkable speaker table is a genuine Fidelity unit, selected for its wonderful volume carrying capacity, and unusual tone quality. The speaker compartment measures 23¾ in. high, 33 in. wide, and 16 in. deep. An exceptional value at the low price quoted.
Shipping weight, 55 lbs.
No. 9284. Retail list, $85.00.
YOUR PRICE **$34.00**

GENUINE PUROPOWER 86 INCH EXPONENTIAL HORN

This beautifully finished and attractively designed speaker table is equipped with a Genuine Puropower Horn, having an Air Column length of 86 in. Its ample size and correct acoustical design assures remarkable tone quality, and the faithful reproduction of all low note frequencies.

MARVELOUS TONE QUALITY

The speaker stands 33 in. high, measures 25½ in. wide, and 16 in. deep, providing ample space for the largest receivers. It is equipped with a genuine Fidelity unit that has already earned an enviable reputation for its soft mellow tone quality, and tremendous volume carrying capacity.
Shipping weight 45 lbs.
No. 9285. Retail list, $65.00.
YOUR PRICE **$26.00**

GENUINE WALNUT SPEAKER TABLES

THE unusual popularity of the new Temple Airchrome Speakers has resulted in the design of these two unique speaker tables, equipped with these famous speakers. Airchrome Speaker construction, with its double diaphragm arrangement and wide frequency response is rapidly earning an enviable reputation for unusual tone quality and volume. The attractive design of the tables with their genuine Walnut construction and durable hand-rubbed lacquer finish, makes them leaders in the speaker table field. Their ample size adapts them for use with practically all of the new receivers. Too much cannot be said about the wonderful tone quality of the genuine Temple Airchrome Speakers, with which they are equipped. They assure you of the utmost in tone quality, along with fine furniture.

Exquisite Design

Only the finest selected Walnut veneers are used in the construction of these speaker tables. Their beautiful finish is hand-rubbed to that soft, dull sheen found only in the finest furniture. They answer the demand of those critical radio buyers, who demand the finest in speaker tables.

AIRCHROME SPEAKERS

The double diaphragm in the Temple Airchrome Speakers assure the utmost in frequency range. The special double action unit with which they are equipped, is self-supported, giving the driving unit free play, resulting in extreme sensitiveness. Their wonderful soft, mellow tone quality is only matched by their tremendous volume carrying capacity.

A GORGEOUS TABLE SPEAKER

Genuine Walnut Veneer Table equipped with Temple Model Z Airchrome Speaker. Table stands 30¾ in. high, 24 in. wide, and 14 in. deep. Will accommodate such sets as Crosley, Atwater-Kent, Bosch, Steinite, Shamrock, A-C Dayton, Day-Fan, Standardyne, etc. Shipping weight, 58 lbs.
No. 9286. Retail list, $42.50.
YOUR PRICE **$24.99**

FOR LARGE RECEIVERS

This remarkable speaker table is designed for the larger size receivers, such as Atwater-Kent 37, or Radiola 18. It is equipped with a genuine Temple Model F Airchrome Speaker, measuring 18 in. by 23 in. The table stands 30 in. high, 29 in. wide, and 15 in. deep. Its attractive finish and beautiful design assure for it unusual popularity. Shipping weight, 65 lbs.
No. 9287. Retail list, $45.00.
YOUR PRICE **$26.46**

WROUGHT IRON *for Modern Radio*

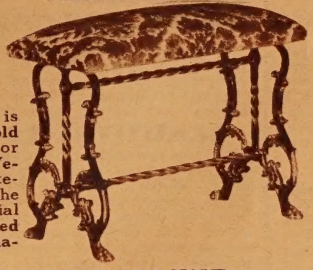
WROUGHT IRON RADIO TABLE

The modern trend to **Wrought Iron** in furniture finds **full expression** in this **attractively finished table.** Table stands 27 in. high, **top measures** 28¼ in by 11¾ in. Large enough to **accommodate** the new sets. Top covered in **Spanish Leather Grain** Fabrikoid. A convenient shelf across the bottom of the table holds the speaker. Metal work in black and gold. Shipping weight, 40 lbs.

No. 9265. Retail list, $12.75. YOUR PRICE **$7.49**

Metal Table For NEW SETS

An exceptionally **well designed** metal table, **ideal for use** with the new sets. The table stands **27 in. high,** while its top measures **22¾ in. by 12 in. The entire top is of metal** in a beautiful **scroll** design. A bottom shelf provides space for speaker. **Finished in black and gold.** Shpg. wt., 45 lbs. **No. 9266. Retail, $12.75. YOUR PRICE** .. **$7.49**



UTILITY BENCH

Full padded seat is **covered** with **Yellow Gold** and **Old Rose Velour,** or in a **Taupe** and **Green Velour** to match the interior furnishings of the home. The substantial base is of **solid rugged construction** in an ornamental design.

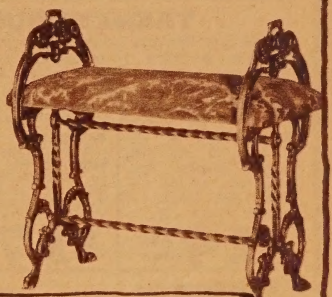
A REAL PROFIT MAKER

The benches **adapt** themselves to an **endless variety of uses** in the home, and they form the **ideal bench** for use with radio consoles. Bench stands **18½ in. high,** top measures **24½ in. by 12 in.** Metal work **finished** in Black and Gold. Shipping weight, 45 lbs.

No. 9267. Yellow Gold and Old Rose Velour.
No. 9268. Taupe and Green Velour.
Retail, $9.75.
YOUR PRICE **$5.73**

WROUGHT IRON RADIO BENCH

An attractively designed, **beautifully finished** radio or **utility bench,** that will **immediately suggest** for itself **many uses** in the home. The attractive **full padded seat** is finished in a beautifully **figured Yellow Gold** and **Old Rose** Velour. The seat measures **24½ in. by 14 in.,** and is 18½ in. high. The overall height of the stool measures 23 in. Its rigid **all-metal construction** makes it good for a **lifetime of service.** The beautiful **scroll design sides** are finished in Black and Gold. Model No. 450. **A feature value.** Shipping wt., 50 lbs. **No. 9269. Retail List, $12.25. YOUR PRICE** **$7.20**



Genuine Walnut TABLES

NEW WALNUT SPEAKER AND BATTERY TABLE

Attractively designed speaker table which provides a large spacious chamber for batteries, eliminators, etc. Constructed of selected five ply walnut finished in an antique dark walnut, hand rubbed to a soft sheen. Table stands 30 inches high, 24 inches wide and 16 inches deep. Its large size makes it adaptable for practically all of the popular table model receivers.

TABLE ONLY

Offered as table only without speaker. Ideal for use as a battery table in connection with D. C. receivers. Stock No. **9305.** Retail value, $22.50. YOUR PRICE..... **$11.35**

WITH SPEAKER

Equipped with genuine Farrand Magnetic Unit noted for its remarkable tone quality and volume carrying capacity. An unusual value at the low price quoted. Stock No. **3506.** Retail price, $37.50 YOUR PRICE..... **$18.35**

TABLE WITH DYNAMIC SPEAKER

Equipped with a genuine Dynamic Power Speaker of the 110 volt 50-60 cycle A. C. type, this table offers an ideal combination for use with table model receivers. Highly recommended. Stock No. **9307.** Retail list, $70.00. YOUR PRICE..... **$33.05**

SPEAKER TABLE DE LUXE

A high grade speaker table in genuine Walnut, of unusual design and finish. Table stands 29 in. high, 32½ in. wide, and 14¾ in. deep. Ample size for the largest receivers. Speaker table is in Walnut finish with beautiful satin wood frame around the grill. The beautifully shaped rope style legs and ornamented stretcher provide unusual rigidity.

TABLE ONLY

No speaker included. Wt., 40 pounds. **No. 9281.** Retail list, $27. YOUR PRICE **$18.82**

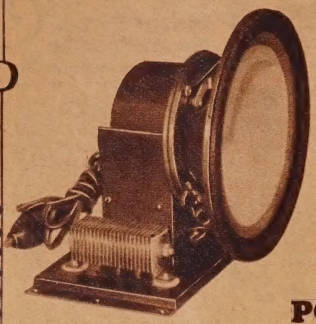
With Farrand Speaker

Complete with Magnetic Cone Speaker. Wt., 45 lbs. **No. 9282.** List, $47.50. NET **$25.82**

With Dynamic Speaker

Genuine Farrand 110-volt A-C type. Wt., 55 lbs. **No. 9283.** List, $75.00. NET **$39.82**

FAMOUS SPEAKER CHASSIS



FOR CONSOLE INSTALLATION

THESE speakers, of genuine Farrand construction, represent one of the most important advances in radio reproduction. They are sensitive beyond comparison and reproduce the entire musical scale with a tonal brilliancy that will enchant you. They feature a new type unit in both the magnetic and dynamic types presenting acoustical qualities of an unusual character.

REAL TONE AND VOLUME

If you have ever listened to the playing of a large organ in a beautiful Cathedral your greatest impression has been the purity of tone, the soft murmur of the bass notes and the mellow beauty up the scale. When listening to a mighty organ being transmitted through a Farrand Speaker you would imagine yourself in such an atmosphere—for nothing is lost in these finely constructed instruments.

POWER TYPE DYNAMIC CONE SPEAKERS

The tremendous popularity of the dynamic reproducer is the result of its exceptional tone quality and the faithful re-creation of tone shadings which distinguish good music and clear voice articulation. When used in combination with a good radio receiver such as the Knight sets listed in this catalog, both voice and instrumental tone frequencies are re-created so that each instrument can be instantly recognized.

TREMENDOUS VOLUME

The free floating cone construction of the Farrand Dynamic Speaker permits tremendous volume without a trace of chatter or blast. They are the ideal speakers for use where unusual volume is required along with the finest tone quality. The Dynamic Speaker stands forth today as radio's greatest achievement in loud speaker development.

No. 8435. 6 volt D-C Type for use with battery operated sets. Shpg. wt., 15 lbs. Retail list, $50.00.
YOUR PRICE..... **$19.70**

No. 8436. 100 - 200 volt D-C Type for use with A-C sets designed for Dynamic Speakers. Shpg. wt., 18 lbs. Retail list, $40.00.
YOUR PRICE..... **$17.95**

No. 8437. 110 volt A-C Type for plugging into the electric light socket. Shpg. wt., 18 lbs. Retail list, $55.00.
YOUR PRICE..... **$21.70**

The IDEAL MAGNETIC CONE SPEAKER

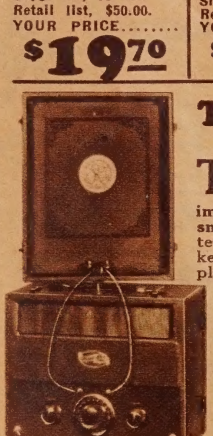
Among radio's greatest developments, no achievement looms larger than the perfection of the magnetic type cone speaker as offered in this Farrand chassis. It brings to listening ears a range of tonal beauty that covers the entire musical scale.

BEAUTIFUL TONE QUALITY

In the wonderful tone quality of the Farrand Magnetic Cone you will find faithfully recorded every delicate shading of voice and orchestra. They accept unlimited volume without a hint of blast or blare. Their strong permanent magnets along with their precision construction and perfected design provides exceptional tone quality and volume. Their low price and unusual efficiency accounts for their tremendous popularity.

CONE CHASSIS AS ILLUSTRATED

Genuine Farrand Magnetic Cone Speaker chassis ready for console installation. Equipped with output filter to protect speaker windings. Shipping weight, 8 lbs.
No. 8438. Retail list, $20.00.
YOUR PRICE..... **$6.75**



The CELEBRATED TRAV-LER PORTABLE

5 TUBES — 1 DIAL — REAL TONE AND VOLUME

THE original one man portable, weighing only 22½ lbs. complete, housed in an attractive carrying case, durably finished in imitation leather. Everything is in the one small case—loud speaker—loop aerial and batteries; just lift the cover and tune in. It will keep right on performing as you move it from place to place. Its 5 tube circuit is a marvel of efficiency. Its high grade speaker provides unusually sweet tone and strong volume. Its one dial control simplifies tuning and makes it a pleasure to operate. Constructed throughout of standard parts. Attachments are also provided for use with regular antenna and ground. It offers the ideal receiver for the tourist, the hospital patient, or the traveler.

SET ONLY

Here the famous Trav-ler Portable is offered without accessories. Its unusual efficiency and compactness along with its low price assures unusual popularity.
No. 9351. Retail list, $57.50.
YOUR PRICE **$33.81**

WITH ACCESSORIES

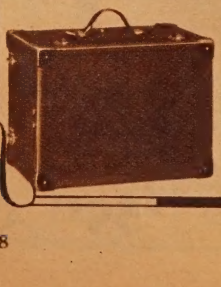
Complete, ready to operate. Equipment includes 5 type X199 tubes and all "A," "B" and "C" batteries. Everything necessary for its operation is included. A real value.
No. 9352. Retail list, $76.50.
YOUR PRICE **$44.25**

THE HYATT SIX-TUBE PORTABLE

HERE real portability is combined with unusual radio efficiency. Incased in a high grade two-tone brown leatherette case with heavily nickeled trimmings, it weighs only 28 lbs. fully equipped. The six-tube one dial circuit is beautifully set off with walnut panel and knobs and gold trimmed vernier dial. The loop antenna panel is attractively embossed in gold relief with a ship design.

POWERFUL — SELECTIVE

Real power, sensitivity and selectivity is offered here with real portability. Case measures 14 in. long, 11 in. high and 9 in. wide.



SET ONLY

Here this remarkable portable is offered without accessories. Its low price assures for it tremendous popularity. Shpg. wt., 35 lbs.
No. 9353. Retail list, $60.00.
YOUR PRICE **$35.28**

REAL PUNCH AND TONE

Its marvelous tone quality and volume will surprise you. Sound chamber has 14 in. throat built of basswood equipped with genuine Utah Unit.

WITH ACCESSORIES

Complete, ready to operate. Equipment includes 6 type X199 tubes, 3 "A", 2 "B" and 1 "C" battery. Everything necessary is included. Shpg. wt., 50 lbs.
No. 9354. Retail list, $95.00.
YOUR PRICE **$55.40**

To help you Sell Knight RADIO SETS FOR A-C & D-C OPERATION

FULL CO-OPERATION

ALLIED DEALERS AND AGENTS throughout the country are assured of real cooperation in the Sale of Knight Receivers. Our Dealer Cooperation Department is maintained and placed at the disposal of our customers to help them solve their sales and advertising problems. Sales literature, newspaper advertisement, pamphlets, etc., are available for distributon to your prospects.

NEWSPAPER ADVERTISING HELPS

For advertising in your local newspaper, we have prepared a series of attractive advertisements, so arranged that your own name appears on them as the local dealer. These advertisements are available in either Electrotype or Matrix form. Newspaper advertising will develop many new prospects for you, which you should experience no trouble in selling. Attractive literature imprinted with your name and showing only the list prices of the receivers and accessories, provides you with real ammunition in working your prospects. If you are unable to close the sale on your first call, you can leave this book with your prospect and it will continue to work for you while you are gone. The benefit of our vast selling experience is made available to you through Our Sales Promotion Department, and we want all our dealers to bring before us their own selling problems so that we may work with them in promoting the sale of these famous Knight Receivers.

WE SHOW YOU THE WAY TO PROFIT

There is real profit in the sale of Knight Receivers. They are exceptionally low priced, and unusually efficient—practically assuring a sale on every demonstration. We want Allied Dealers to profit in the sale of Knight Receivers. To this end a complete portfolio of sales helps has been prepared. It contains a series of sales producing follow-up letters and the various selling methods that past experience has proven most effective. With its aid you should be able to develop an enormous sales volume in Knight Receivers. Every Allied Dealer should make use of this service. It points out the way to increased profits.

PORTFOLIO OF SALES HELPS

A complete portfolio showing the various newspaper advertisements, pamphlets and selling helps available is offered free to Knight Dealers. It shows you how to conduct your selling campaign for maximum results and real profit. You are urged to send for your copy immediately and get started with this profit-producing line of Receivers.

Complete Knight Catalog With Retail Prices

This catalog contains the complete Knight line of Radio Receivers with list prices enabling you to show it to your customers, and to leave it with them if necessary. It also shows the leading numbers in popular consoles as well as a complete assortment of accessories. Room is provided for imprinting your own name and address making it appear as your own catalog.

Show Your Prospects

This retail price catalog enables you to sit down with a prospect, and check over point for point the superior features of different models in the Knight line. Your prospect does not know when looking at this catalog just what your profit is. It enables you to sell Knight Receivers at their regular list price and opens before you the door to real opportunity in radio selling.

Get Busy NOW!

Now is the time to start. The tremendous demand for Knight Receivers in both the A-C and D-C Types is all around you. Plan now on your advertising. We will be glad to help you. You will be surprised at the number of prospects you develop and how easily they are sold on these famous Knight Receivers.

LETTERHEADS—ENVELOPES—CALLING CARDS

Everything that you require for starting out as a dealer with Knight Receiving Sets is available. Catalogs showing the complete line as well as attractively designed two-color letterheads, envelopes and business cards have been prepared, ready for the imprint of your name. They are offered to you at actual cost. Buying in large quantities as we do, we secure lowest prices and these low prices are offered to you to help you in the sale of Knight Receivers. When ordering letterheads, envelopes or business cards be sure to give us explicit instructions on how you want them printed. Write plainly, giving full name and address.

LETTERHEADS IN TWO-COLORS

Attractively designed 8½ in. by 11 in. bond letterheads printed in two colors with complete name and address at actual cost. A necessary item for all correspondence and sales letters.

Per 200 ..... $2.50

ENVELOPES

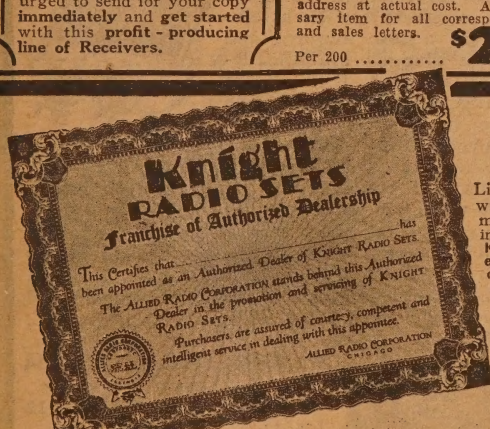
Envelopes to match the two-color letterheads attractively made up of bond paper and printed in two colors are offered at actual cost. Imprinted with name and address.

Per 200 ..... $2.50

BUSINESS CARDS

Attractive business cards beautifully printed in two colors featuring the Knight Receiver and carrying your name and address. They should be left with every prospect as they reflect your business efficiency.

Price to you per pkg. of 200 ..... $2.50


Knight
RADIO SETS
Franchise of Authorized Dealership
This Certifies that ..... has been appointed as an Authorized Dealer of Knight Radio Sets.
The Allied Radio Corporation stands behind this Authorized Dealer in the promotion and servicing of Knight Radio Sets.
Purchasers are assured of courtesy, competent and intelligent service in dealing with this appointee.
Allied Radio Corporation
Chicago

LIVE DEALERS CAN GET A KNIGHT FRANCHISE

Live Dealers who get behind the sale of Knight Receivers will be supplied with a beautiful Lithographed Franchise of Dealership. Our only requirement in issuing this Franchise is that you exercise due care and precaution in the installation of Knight Receivers with customers. You should buy at least one Knight Receiver for use as a demonstrator to familiarize yourself with its unusual efficiency. It does not matter which model you buy, as any model will serve for a demonstrator while our retail price catalog enables you to show your prospects what the other models look like.

WRITE FOR TERRITORY—NOW!

When ordering your sample demonstrator be sure to tell us what territory you wish to cover. We do not restrict or protect territory in any way. Every co-operation will be accorded you in promoting the sale of Knight Receivers. Our Sales Promotion Department will work with you in preparing your campaign so that you may build up volume sales at a good profit. The rigid construction and unusual efficiency of Knight Receivers assures many satisfied customers, and the sale of one receiver nearly always results in many additional sales. You are urged to write now—to get started now—to make 1929 your biggest year with Knight Receivers.

A MILLIONAIRE'S VALUE AT A MODERATE PRICE!

Pre-Inventory Price Reductions on ALL THE LATEST KITS and PARTS

THE following pages contain a detailed description of all new 1929 circuits shown in the latest radio mediums. These are the nationally advertised and tested kits of the latest types. We include here **Silver-Marshall, Tyrman, Aero, National, Browning Drake, Remler, Short Wave, Radio Frequency, Neutrodyne, Victoreen, Hammarlund** and other nationally known kits.

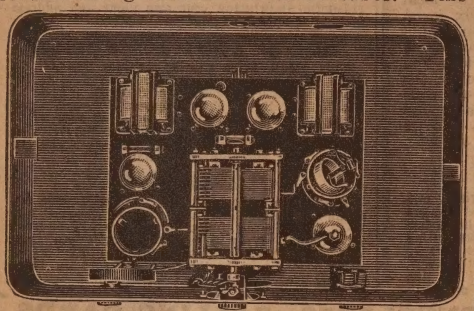
Only the very best selection of these kits are offered you here and we believe that the claims made are conservative as they are all claims made by the manufacturer of each individual kit.

It is a simple matter to construct any of these kits, to build them and to sell them. Each kit whether factory sealed or assembled by us has a special diagram, layout or blueprint that anyone should easily be able to read and understand.

Our laboratories and service department are always at your disposal. We will assist anyone who has difficulty in properly constructing a kit, making all necessary corrections and rewiring at a nominal charge.

AERO METROPOLITAN SHIELDED GRID RECEIVER

A four tube receiver especially designed for maximum gain of the R.F. regenerative circuit. Special coil kits allow the use of shielded grid tubes or 201A tubes. This is a novel and extremely efficient receiver using both the radio frequency and regenerative angles. Selective, good volume, fine tone quality. Built in small cabinet illustrated. Gives better than six tube "kick."



This price includes metal cabinet handsomely designed and finely finished including escutcheon plate and illuminated drum. Wt., 20 lbs.

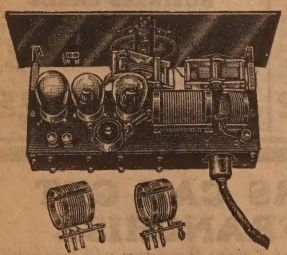
No. 8758. Aero Complete Kit No. 26 for Shield Grid Tubes.

No. 8759. Aero Complete Kit No. 27 for A.C. Tubes.

No. 8760. Aero Complete Kit No. 28 for D.C. Tubes.

List Price on all, including Cabinet, $58.00. **$34.10 NET for any Kit**

Aero Short Wave Kit



The Aero standard three tube short wave receiver for either A.C. or D.C. tubes utilizes a regenerative circuit which has been proven by years of excellent results in the hands of amateur operators. The same special audio amplifier is supplied as is used in the Aero 7-29 and other Aero high grade kits so that excellent tone quality may be assured when receiving distant stations. Kit is complete with nothing else to purchase.

Can be adapted to cover range of from 15 to 125 to 550 meters with Aero coils 4 and 5 which are interchangeable.

European broadcasting heard on test. Comes complete in factory sealed kit without cabinet but with panel, sub panel and illuminated dial. Wt., 16 lbs.

No. 8761. Aero Kit No. 10 for A.C. Tubes.

No. 8762. Aero Kit No. 11 for D.C. Tubes.

List on each **$49.95**

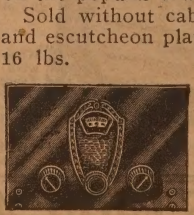
Your Price **$29.37**

Aero Short Wave Converter

The Aero Standard Short Wave Converter for A.C. or D.C. receivers can be assembled in a few minutes and can be plugged into the detector or first R.F. socket of any receiver utilizing the same tube which has been removed from the socket in which the converter is plugged.

This will convert any radio receiver into a short wave set making it capable of distant reception on short wave bands, and also making it possible to hear American stations who broadcast on the popular low wave bands.

Sold without cabinet, but with engraved panel and escutcheon plate. Nothing else to buy. Wt., 16 lbs.



No. 8763. Aero Kit No. 14 for A.C. Tubes.

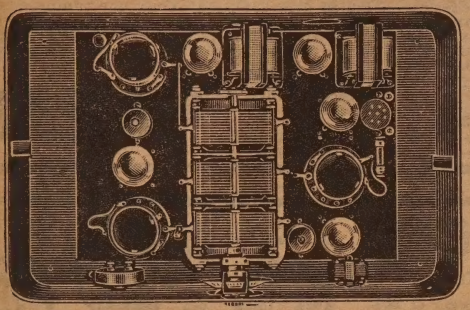
No. 8764. Aero Kit No. 12 for D.C. Tubes.

List on either kit **$32.00**

Your Price **$18.82**

AERO Chronophase

Shield Grid Five — A. C. or D. C.



THE Chronophase is a new development of Aero. It is a five-tube receiver using "Chronophase" radio frequency amplifier with two shield grid R.F. tubes and new Aero audio amplifier with 171 power tubes. There are three models—either the Shield Grid or A.C. model or D.C. model.

The Chronophase Principle

The phase angle relation between the voltages and the primary and secondary windings of a radio frequency transformer has been developed in the Chronophase. It makes possible the regulation of the amount of energy and it also makes possible an increase in the amount of transferred energy, giving greater amplification, greater selectivity and longer range—new possibilities with the shield grid tube. These kits are specified in all the latest radio magazines. **All kits are fully factory packed with every part necessary including cabinet. All foundation units include a cabinet.** All cabinets are of handsome proportions with special Aero escutcheon plate, illuminated dial. Size 8x9x12 in. A.C. kit uses four 227 tubes. Wt., 55 lbs. each.

List $74.50 Each Kit

YOUR PRICE ANY KIT **$43.80**

No. 8765. Aero Kit No. 20. Complete, for shield grid tubes.

No. 8766. Aero Kit No. 21. For A.C. tube operation.

No. 8767. Aero Kit No. 22. Complete, for D.C. tubes.

If you do not desire the cabinets for these sets but want to build this in a console, a drilled and engraved panel will be included instead of the cabinet and you may deduct $4.50 from any of the above prices, specifying without cabinet but with drilled and engraved panel. Add a "P" after our stock number if you desire this.

AERO International Short Wave

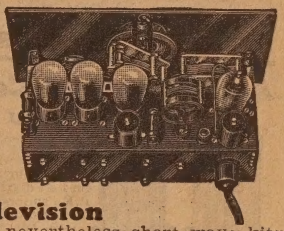
Complete Kit of Parts

THE Aero International Short Wave Broadcast Receiver employs one stage of aperiodic shield grid amplification. It has only one tuning control. Non-radiating. The kit includes everything necessary to assemble the set without spending another cent.

The foundation unit does not include the cabinet but uses a 7x14 in. drilled Micarta front panel and uses the finest Aero parts plus the manufactured products of Amsco, C.R.L., Carter, Eby, Aerovox, National, Yaxley, Westinghouse, Daven, and others nationally known. Complete with beautiful escutcheon plates, illuminated vernier dial, beautiful knobs and all wire and soldering lugs necessary.

The Stations You Never Received Before

On short wave receivers many foreign stations are tuned in. American stations today are broadcasting on short wave lengths in addition to their regular wave lengths. Short wave is the coming thing for better reception.



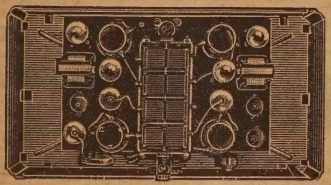
May Be Used for Television

Although Television is not yet a fact, nevertheless short wave kits and parts will be the ones used when Television comes in. For the Television experimenter this is the kit to buy.

No. 8768. Aero International Short Wave Receiver. Aero Kit No. 8 complete without cabinet. Factory packed and sealed. Wt., 25 lbs. List, $55.30. YOUR PRICE..... **$32.52**

Aero 7-29 Shielded Grid

THE 7-TUBE WONDER



A seven-tube De-Luxe model using three stages of "Chronophase" R. F. amplification and one semi-aperiodic stage. Selective, sensitive, a distance getter and plenty of pep including the real tone quality with a 171 power tube. A.C. models use type X227 and D.C. models use the 201A type. The Shielded Grid model uses four shielded grid tubes, two 201A tubes and one 171. Sold without cabinet but with 7x18 in. drilled and engraved panel. Wt., 35 lbs.

No. 8769. Aero Complete Kit No. 32-P for Shielded Grid Tubes.

No. 8770. Aero Complete Kit No. 33-P for A.C. Tubes.

No. 8771. Aero Complete Kit No. 34-P for D.C. Tubes.

All List at $87.85. All Net at **$51.35**

Aero "Trio"

A. C. or D. C. OPERATION

The Aero "Trio" is a simple three circuit regenerative receiver of time proven ability. This is a three-tube kit especially recommended for use in sets one hundred miles or more distant from high powered broadcasting stations where the selectivity given by the "Chronophase" system is not required.

Long Distance Reception

Practically all of the long distance reception records have been made on receivers of this type. This kit includes a small cabinet, size 9x12x18 in. The D.C. model uses two 201A tubes and one 171 tube. The A.C. model uses two 227 tubes and one 171 tube. This kit is designed to "step out and bring them in."

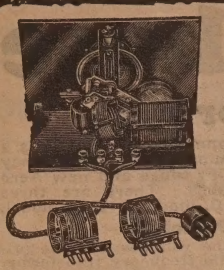
No. 8772. Aero Kit No. 30, complete factory sealed, including cabinet. For use with A.C. tubes. Wt., 55 lbs.

No. 8773. Aero Kit No. 31, complete for use with D.C. tubes, including cabinet. Factory sealed. Wt., 55 lbs.

List $42.00 Each. Your Price **$24.70**

No. 8774. Aero Kit No. 30P, complete with 7x18 drilled and engraved panel for use in consoles without cabinet for use with A.C. tubes. Wt., 35 lbs. List, $38.00.

No. 8775. Aero Kit No. 31P, for use with D.C. tubes without table cabinet if desired for console use including 7x18 drilled and engraved panel. Wt., 35 lbs. List $38.00 Each. YOUR PRICE **$22.34**



AERO International Converter

WITH the European broadcasting stations broadcasting on short waves and with the American stations gradually adding on short waves, it now becomes possible to hear numerous stations you have never heard before. Broadcast on short wave lengths has always proven very successful.

Used for D.C. receivers only. Uses one stage of radio frequency and utilizes the famous shielded grid 222 tube. Only one tuning control, one volume control and one volume rheostat. Size, 7x10x16 in. Includes panel, beautiful escutcheon plate, illuminated drum and the very best materials obtainable. Broadcast range of thousands of miles.

$22.87

For D. C. Receivers Only

No. 8776. Aero Kit No. 9. This is the Aero International Short Wave Converter Kit Sub Panel Model—the feature of the Aero line. Wt., 25 lbs. **List Price, $38.90. YOUR PRICE...**

TRF COIL KITS

Chronophase Coils

Consists of four universal coils of autoformer type suitable for both antenna coupler and interstage R.F. transformers. May be used with shield grid circuits. Suitable for use with all tubes—A.C. or D.C. For use with .00035 condensers. Wt., 1 lb.

No. 2680. Type U 233. List, $15.00. NET..... **$8.82**

Type 163

No. 2681. Consists of four twice matched units, one antenna inductance having variable primary and three matched R.F. coils. Tunes with .00035 condensers. Wt., 1 lb. List, $15.00. NET..... **$8.82**

Aero Matched Coils

Type U 263

Consists of two inductances designed for use with circuits employing one shield grid stage R.F. and regenerative detector. Tunes with .00035 condenser. Wt., 2 lbs.

No. 2682. List, $8.00. NET..... **$4.70**

Type U 260

No. 2683. Same kit as above, except to tune with .0005 condenser. Wt., 2 lbs. List, $8.00. NET. **$4.70**

Type U 273

No. 2684. Two matched coils for use with 199, 201A, 112 or 226 and 227 A.C. tubes. For circuits employing one stage of balanced TRF and regenerative detector. Tunes with .00035 condenser. Wt., 2 lbs. List, $10.00. NET **$5.88**

Type RB-8

No. 2685. Kit of coils especially designed for Betts circuits and Radio Broadcast Lab. Receiver. Antenna coupler has center tapped secondary for Rice system of neutralization. Tunes with .00035 condenser. Wt., 2 lbs. List, $8.00. NET..... **$4.70**

Universal R F Coil and Wave Trap

Universal radio frequency transformer designed for use with all types of tubes except shield grid tubes. Tapped primary permits perfect coupling for best results. Adaptable for all radio frequency circuits or wave trap construction. Type U 43 tunes with .00035 condenser. Wt., 8 oz.

No. 1114. Type U 43. List, $4.00. NET..... **$2.35**

Type U 4

No. 1113. Same as U43 above except tunes with .0005 condenser. Type U 4. List, $4.00. NET..... **$2.35**

AERO COIL

R. F. COIL KITS

Type U 203

No. 2686. Three matched R.F. coils. Adaptable to all shield grid and two stage R.F. circuits with both A. C. or D.C. tubes. Tunes with .00035 condensers. Wt., 2 lbs. List, $12.00. NET **$7.06**

Type U 123

No. 2687. Three matched universal coils for all TRF circuits using standard A.C. or D.C. tubes, but not shield grid. Maximum radio frequency efficiency is secured. Wt., 2 lbs. List, $12.00. NET **$7.06**

Type U 1203

No. 2688. Three matched R.F. inductances. The antenna coupler has variable primary for any degree of selectivity. Tunes with .00035 condensers. Wt., 2 lbs. List, $12.00. NET..... **$7.06**

UNIVERSAL COILS

Type U 963

Highly efficient low loss antenna coupler with variable primary. Tunes with .00035 condenser. Wt., 8 oz.

No. 1116. List, $4.00. NET.. **$2.35**

Type U 96

Antenna coupler, same as U 963 above, except tunes with .0005 condenser. Wt., 8 oz. **No. 1115.** List, $4.00. NET **$2.35**

Type U 923

No. 2689. Special antenna coil with primary wound in the center and tapped secondary for Rice method of neutralization. Tunes with .00035 condenser. Wt., 8 oz. List, $4.00. NET..... **$2.35**

Type U 92

No. 2690. Special antenna coupler tapped for neutralization, same as 923 above, except tunes with .00005 condenser. Wt., 8 oz. List, $4.00. NET **$2.35**

Universal Three Circuit Tuner

No. 1104. Latest low loss three circuit tuner with fixed tickler and adjustable primary for any degree of selectivity. Tunes with .00035. Wt., 1 lb. Type U 533. List, $4.00. NET..... **$2.35**

Aero Oscillator Coils

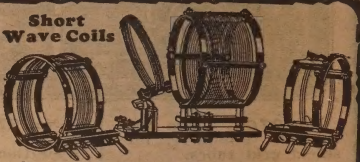
Type U 1053

No. 2691. Highly efficient oscillator coupler with a variable pick-up coil. Substitute this coil for the standard oscillator in most superhetrodynes and the selectivity of the circuit can be increased. Tunes with .00035 condenser. Wt., 8 oz. List, $4.00. NET..... **$2.35**

Type U 105

No. 2692. Oscillator with variable pick-up coil, same as U 1053 above, except tunes with .0005 condenser. Wt., 8 oz. List, $4.00. NET..... **$2.35**

Short Wave Coils



No. 1108. Type LWT 125. Interchangeable plug in coils. 3 coils and base mounting with variable primary covering 15 to 130 meters when used with .00014 and .00025 condenser. Wt., 2 lbs. List, $12.50. NET..... **$7.25**

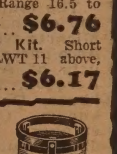
INTERNATIONAL SHORT WAVE

No. 2693. LWT 12. Kit of 3 interchangeable short wave coils with base and space wound primary. Range 16.5 to 89.5 meters. Wt., 2 lbs. List, $12.50. NET..... **$7.35**

No. 2694. LWT 11. Kit of 3 short wave coils and plug-in base without primary for use after a shield grid tube. Range 16.5 to 89.5 meters. Wt., 2 lbs. List, $11.50. NET..... **$6.76**

No. 2695. LWT 10 Coil Kit. Short wave plug-in coils, same as LWT 11 above, but without base. Wt., 2 lbs. List, $10.50. NET..... **$6.17**

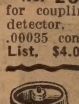
New Aero R.F. Coils



No. 2696. Type U 53. Special autoformer type R.F. inductance for shield grid or standard tubes either as antenna coupler or interstage R.F. transformer. Tunes with .00035 condenser. Wt., 8 oz. List, $4.00. NET **$2.35**

No. 2697. Type U 63. Special R.F. coil for coupling inductance between R.F. stage and regenerative detector. Used with all standard, but not shield grid tubes. Wt., 8 oz. List, $6.00. NET. **$3.53**

No. 2698. Type U 73. Special R.F. coil for coupling shield grid tube to regenerative detector. Tickler is variable. Tunes with .00035 condenser. Wt., 8 oz. List, $4.00. NET..... **$2.35**



Aero R.F. Chokes

No. 1106. Type C 60. Short wave receiving choke. Tuning range from 13 to 550 meters. Wt., 6 oz. List, $1.50. NET.. **88c**

No. 2699. Type C 65. Special low impedance short wave R.F. choke. Used in antenna circuit of International Four and similar receivers. Tuning range 18 to 600 meters. Wt., 6 oz.. **88c**
List, $1.50. NET.....

No. 2700. Type AA 17. For receivers using a periodic antenna coupling. Type AA 17 antenna adapter when used with .00005 midget condenser will give double signal strength. Wt., 6 oz. List, $1.75. NET..... **$1.03**

AERO BRACKETS

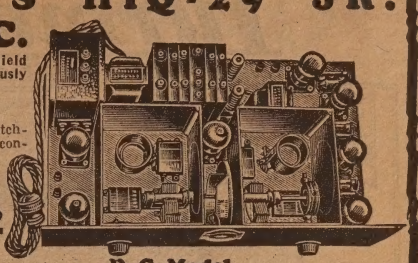
No. 1100. Aluminum sub panel brackets for any set. Sturdy and substantial. Wt., 10 oz. List, 70c. NET..... **41c**

For additional Aero Short Wave Coils see Amateur's Section.

HAMMARLUND ROBERTS HiQ-29 JR.

New Shield Grid Model A.C. and D.C.

Tremendous amplification is obtained in the new HiQ-29 Jr. by virtue of two stages shield grid radio frequency amplification. The weakest incoming signal is amplified tremendously by the shield grid tubes resulting in powerful, selective reception of distant stations.



Single Control—Shielded

The new Hammerlund Drum Dial with illuminating feature and gracefully formed escutcheon plate gives the panel an exceedingly attractive appearance. Only one single tuning control. The screen grid stages are fully and completely shielded for maximum efficiency. Non-critical, stable operation.

HiQ-29 Jr. Foundation Unit

Contains drilled and engraved Westinghouse panel, two complete shields, drilled steel chassis, shafts, coupling condensers, resistor mounts and all essential wire and hardware.

No. 2701. List $14.00. YOUR PRICE **$8.23**

A. C. Model

COMPLETE PARTS FOR THE HAMMARLUND ROBERTS JR. A.C. MODEL

Two Hammarlund .00035 midline condensers, two Hammarlund SGT-17 shield grid coils, one Hammarlund RFC 85 R.F. choke, one Hammarlund drum dial, seven Benjamin 9040 sockets, one Sangamo .0001 condenser, one Carter 3000 ohm tapered volume control, six Parvolt .5 by pass condensers, one Parvolt 3. by pass condensers, one Parvolt 1. filter condenser, one Parvolt 2. filter condenser, two Parvolt 4. filter condensers, one Parvolt 2. filter condenser, two resistors .25, one resistor .1, one 200,000 ohm resistor one watt, one 50,000 ohm resistor one watt, one Thordarson R 171 Compact, one Thordarson R 196 choke, one Thordarson 2610 filament transformer, one Electrad HiQ-29 resistor, one pr. Yaxley insulated phone tip jacks, two Eby binding posts, one HiQ-29 foundation unit.

No. 8783 Total List $103.95. YOUR PRICE..... **$61.12**

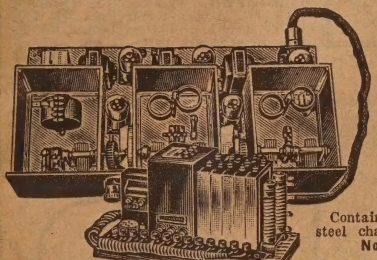
D. C. Model

HiQ-29 FOR BATTERY OPERATION. COMPLETE LIST OF PARTS:

Two Hammarlund .00035 midline condensers, two Hammarlund SGT-17 shield grid coils, one Hammarlund RFC-85 choke, one Hammarlund drum dial, six Benjamin 9040 sockets, one Sangamo .001 condenser, one Carter 3000 ohm tapered volume control, one Carter No. 2 battery switch, four Parvolt .5 by pass condensers, two .25 resistors, one .1 resistor, two 10,000 ohm one watt resistors, one 50,000 ohm one watt resistor, one Yaxley type 660 cable connector, one pr. Yaxley insulated tip jacks, two Eby binding posts, one HiQ-29 Jr. Foundation Unit.

No. 8784. Total List, $54.35. YOUR PRICE **$31.96**

Hammarlund Master HiQ-29



The HiQ-29 presents a new design and increased efficiency of the tremendously popular HiQ Six. Two circuits, designed for storage battery or A.C. operation.

Completely Shielded

The radio frequency circuit is stage shielded. The design of the assembly is such that the R.F. tubes themselves are individually electro-statically shielded from the tuning units and inductances. Greatest efficiency is obtained with tremendous radio frequency amplification.

New Illuminated Drum Dials

Incorporates the latest Hammarlund illuminated tuning control features. The receiver is extremely easy to assemble, furnished with foundation unit and steel chassis.

HiQ-29 Master Foundation Unit

Contains drilled and engraved panel, three complete aluminum shields, drilled steel chassis, shafts, binding posts, strips and all essential hardware and wire.

No. 2702. List $16.50. YOUR PRICE **$9.79**

A. C. MODEL

COMPLETE PARTS FOR BUILDING THE A.C. MASTER HiQ-29 FOR ELECTRIC OPERATION: Five Hammarlund .00035 condensers, one Hammarlund HiQ-29 coil set, two Hammarlund drum dials, three Hammarlund RFC-85 R.F. chokes, six Benjamin 9040 sockets, one Sangamo, .00025 condenser, one Sangamo .001 condenser, one Carter No. 11 Hi-Pot, two Thordarson R 300 transformers, one Thordarson R 196 choke, one Thordarson R 171 compact, one Thordarson 2610 filament transformer, six Parvolt .5 by pass condensers, one Parvolt 4. by pass condenser, one Parvolt 3. by pass condenser, one Parvolt 1. filter condenser, one Parvolt 2. filter condenser, one Parvolt 4 filter condenser, one Parvolt 2. filter condenser, one 1½ meg. resistor, two ½ meg. resistors, one Yaxley 612 cable connector, one pair Yaxley insulated tip jacks, one Electrad HiQ-29 resistor, two Eby binding posts, one HiQ Master Foundation Unit.

No. 8785 Total List $151.80. YOUR PRICE..... **$89.26**

D. C. MODEL

FOR STORAGE BATTERY OPERATION. Five Hammarlund .00035 midline condensers, one Hammarlund HiQ-29 coil set, two Hammarlund drum dials, three Hammarlund RFC-85 R.F. chokes, five Benjamin 9040 sockets, one Sangamo .00025 condensers, one Sangamo .001 condenser, one Carter No. 115 Hi-Pot, two Thordarson R 300 transformers, four Parvolt .5 by pass condensers, one 1½ meg. resistor, one Yaxley 660 cable connector, one pair Yaxley insulated tip jacks, two 1A amperites, one 112 amperite, two Eby binding posts, one HiQ-29 Master Foundation Unit.

No. 8786. Total List $99.50. Your Price..... **$58.50**

Hammarlund Coils

No. 2703. SGT-17. Set of two coils for shield grid tubes. List per set $5.00. NET **$2.94**

No. 2704. HiQ-29 Coil Set. List $8.00. NET **$4.70**

Hammarlund Short Wave Plug-in Coils

SWT-3 coil set covers short wave range of frequencies from 15 to 107 meters. Flexible ample overlap between the coils making tuning very smooth over the whole short wave range.

Coils are built around the special space wound coil material which sets a new standard for low resistance at high frequencies. Coils tuned with .00014 condenser.

No. 2705. SWT-3 set of three coils with base. List $10.00. NET **$5.88**

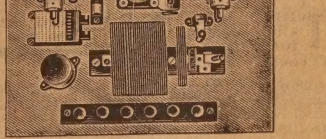
Plug-in Short Wave Inductances

Short wave inductors corresponding to the secondary winding of the short wave tuning coils. For use in sets employing a stage of radio frequency amplification and in sets using a stage with screen grid tube. Tuned with .00014 condenser. Type SWI-3 with base and inductors covering range from 15 to 107 meters.

No. 2706. List $6.00. NET **$3.53**

See Amateur's Short Wave section for additional Hammarlund Short Wave and Transmitting apparatus.

Hammarlund Short Wave Receiver—Converter



A flexible short wave receiver, adaptable either to short wave reception with head-phones or as a short wave converter for plugging into the detector stage of any standard receiver.

Converts Any Set for Short Wave Reception

By simply plugging the Hammarlund Short Wave Converter into the detector socket of any radio receiver reception of the lower wave lengths may be had and as no changes in wiring are necessary broadcast reception with the receiver may be had at will. As a converter for use with radio receivers nothing else is required. For use as a short wave receiver it is advisable to add a stage or two of audio amplification.

An Entirely New Field of Radio Reception

Many of the most powerful broadcasting stations transmit on short waves simultaneously with their regular broadcast programs. The short wave programs are often easily picked up from stations thousands of miles away when interference makes it impossible to receive the regular program on the station's broadcast wave band. Many foreign and European stations have adopted short waves and exceptional records have been made in long distance reception.

Complete List of Parts

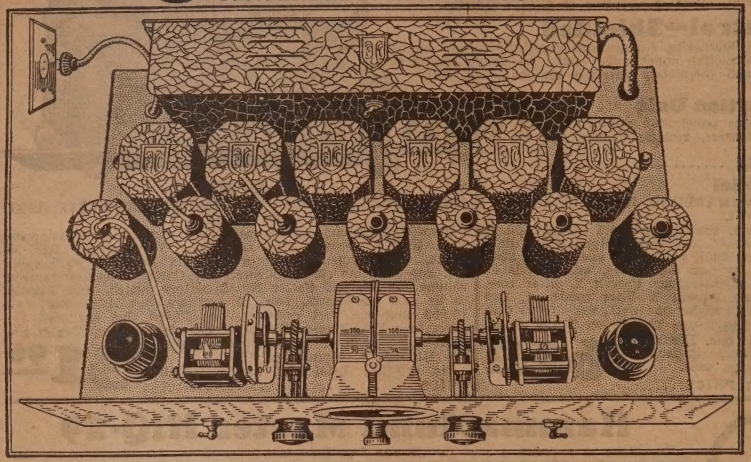
One Hammarlund short wave coil set SWT-3, two Hammarlund, .00014 midline condensers, one Hammarlund RFC-250 R.F. choke, one Benjamin 9040 socket, one grid leak mount, one 3 meg. grid leak, one 1A amperite, one 7x14 panel, one socket plug adapter, two National type E dials, one Parvolt .5 by pass condenser, six Eby binding posts, one binding post strip, one 9x10 baseboard.

No. 8787. Total List $35.00. YOUR PRICE..... **$20.50**

Tyrman "72"

Custom-Bilt Shielded Grid

A. C. or Battery Operated. Short or Usual Wave Receiver



What the Tyrman "72" Will Do

MANY of the advanced features of the Tyrman Imperial "80" are incorporated in the Tyrman "72." The "72" is designed so it can be assembled either for **Battery** or **Complete A.C. Socket Operation.** It provides an advanced Shield Grid receiver for those who wish to keep their present batteries or eliminators; and for localities where A.C. Power is not available. Even, if assembled as a battery-operated set, it is a simple matter to convert it to complete socket-operation, by following a different wiring scheme, changing a few parts, and sockets for A.C. Tubes.

When assembled for A.C. Socket operation, uses an A. B. C. Power Supply designed especially for the "72," mounted on platform with other units. The Tyrman Duo System of Amplification as adapted to the "72" together with the Tyrman Audio assures full, rich, unequaled tonal quality and use of the high amplification values of Shield Grid Tubes.

Sensitivity, Stability, Selectivity, Power and Distance comparable only to the Imperial "80." No oscillation, distortion or critical adjustments. Front panel only 8x21 in. of beautiful Burl-walnut finish on metal equipped with Tyrman Illuminated Double Worm Drive Drum. 110 A.C. and Phonograph switch on panel See prices to the right.

A.C. wiring diagram lithographed on subpanel simplifies and hastens assembly. Power Pack, factory assembled. All intermediate frequency units matched in factory.

No. 2245. Tyrman Single Illuminated Drum Dial. Wt., 3 lbs. **List, $8.00. YOUR PRICE.....**

$4.70

No. 2244. Tyrman Illuminated Worm Drive Double Drum, also sold separately. The worm gear positive drive. Wt., 4 lbs. **List, $12.00. YOUR PRICE.**

$7.05

Tyrman for 1929

LIST OF PARTS

Since the Tyrman "72" is a factory-sealed kit containing all of Tyrman's products including phono-radio jack, A.C. switch, all the wire, radio and audio couplers and all necessary parts for a receiver, the actual list need not be given here.

No. 8753. Complete parts for Tyrman "72" factory-packed for battery operation. Wt., 35 lbs. List, $98.50. NET **$57.92**

No. 8740. Same as No. 8753, except completely factory wired, ready for operation. NET **$77.92**

No. 8754. No. 72 A.B.C. Power Pack used for A.C. socket operation. Factory assembled power pack only. Wt., 35 lbs. List, $55.00. NET..... **$32.34**

No. 8755. Tyrman "72," complete parts and A.B.C. Power Pack for A.C. socket operation. Factory packed including all necessary parts and power pack. Wt., 70 lbs. List, $153.50. NET **$90.26**

No. 8741. Same as No. 8755, except factory wired, ready for operation. NET **$110.26**

No. 2677. Complete set of four short wave coils, if desired. Wt., 1½ lbs. List, $10.00. NET..... **$5.88**

Efficiently Designed for the Shielded Grid Tube

This kit is designed especially for the A.C. shielded tube for real amplification.

The Screen Grid Super

THE Tyrman "60" is designed for battery or eliminator operation. Uses the shield grid tubes type 222. Combines features of the Tyrman "70" at a low price.

The intermediate frequency amplifier is identical with the Tyrman "70" except that a 201A tube is used as a first detector, also serving as an oscillator tube. A gang condenser is employed for tuning, resulting in a single tuning control. Tyrman engineers have succeeded in constructing this double circuit.

The Finest Kit

Especially designed for the shield grid tubes. Backed by an unsurpassed experience and working knowledge in shield grid circuits, the Tyrman "60" sets a new standard performance in six-tube receivers. Panel size 7x18 in. Uses Tyrman single vernier drum dial.

Wonderful tone quality, real selectivity, stability, power and distance, the "60" is an incomparable quality receiver. Complete diagram and instructions for wiring furnished.

Tyrman "60"

Custom-Bilt Shielded Grid

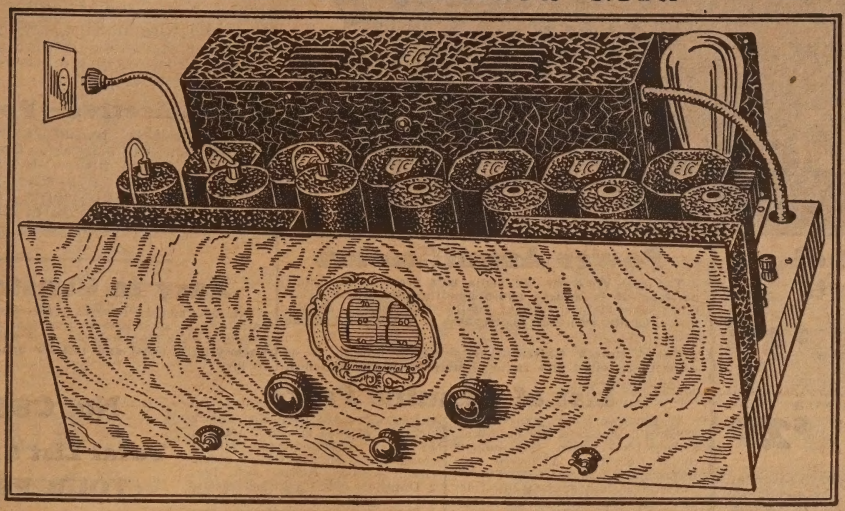
Three R.F. impedance, two audio couplers, three shielded sockets, three sockets, one vernier drum, one gang condenser, one antenna and oscillator coupler, two by pass condensers, one rheostat, one filament resistance, one midget condenser, one vernier condenser, three front panel brackets, one front panel, one sub panel, one cable and plug, hardware.

No. 8756. Complete parts, factory packed, ready to assemble. Wt., 35 lbs. List $69.50. YOUR PRICE..... **$40.86**

No. 8742. Same as No. 8756, except factory assembled and wired, ready for operation. A real value in a custom built receiver. **NET.....** **$60.86**

Tyrman Imperial "80"

Custom-Bilt Shielded Grid



For the Discriminating

THE Tyrman Imperial "80" is a completely A.C. socket power operated kit, using A.C. shielded grid tubes and A.C. tubes throughout. Completely equipped with power supply which is assembled, requiring no adjustments.

The "Imperial" Circuit

The Duo Shielded Grid Amplification system engineered by Tyrman is employed in the "80". This obtains the finest radio and audio amplification which when used with the type 250 tube gives tremendous volume and wonderful tone quality. Designed to be used with dynamic, air column or any good speaker.

Adaptable to Short Waves

Designed Especially for the Shielded Grid A.C. Tube

The Imperial "80" is so designed with plug in coils as to cover amateur and television wave bands as well as regular reception. Actual 10 K.C. selectivity is assured by the manufacturer, as well as a distortionless receiver. Velvet smooth volume control also incorporated by Tyrman.

No. 1013. Tyrman special tube shield also sold individually. Wt., 1 lb. **List, $1.25.**

YOUR PRICE **73c**

A Beautiful Receiver

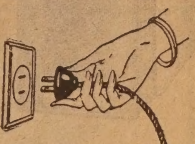
New process of genuine burl walnut impressed on metal panel rendering a most beautiful effect. New Tyrman worm drive illuminated drum with exquisite escutcheon plate are special Imperial "80" features. Metal parts all crystal finished. Also has a phonograph switch permitting use of 250 amplification for phonograph use.

Simple to Assemble

Simplicity of assembly and wiring especially feature the "80". All connections marked on sub panel. May be accomplished within an hour.

Stability, Sensitivity—One Spot

One spot tuning and 10 K.C. selectivity. Non-oscillating receiver. All parts completely packed in a compact kit—factory sealed—ready to assemble. **All super units matched at the factory. This is one of the finest distance getters on the market on test by Tyrman laboratories.**



Tubes used in the Imperial "80" as follows: Three A.C. shielded tubes, four 227 tubes. In the power supply use one 250 tube and two 281 tubes.

Just "plug in" and "tune in" on the Tyrman Imperial "80". One of the best shielded grid, custom built kits on the market.

Complete List of Parts in Factory Sealed Kit:

Two R. F. transformers, one R.F. impedance, one special R.F. impedance, two audio couplers, seven shielded sockets, two sockets, one double worm drive drum "80", one antenna condenser, one oscillator condenser, one complete set of plug-in coils, one by pass condenser block, one volume control, one phone-radio switch, one 110 volt A.C. switch, two midget condensers, four .25 mfd. by pass condensers, three C bias resistors, one pair shields, one genuine wood metal front panel, one platform with lithographed bottom panel, one terminal cable, assortment of wire, screws and terminals.

No. 8751. Complete parts Imperial "80". Wt., 35 lbs.

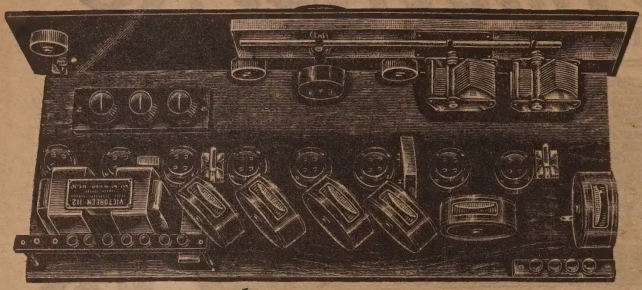
Your Price **$79.08** List $134.50

No. 8752. Power Supply factory assembled complete without tubes for Imperial "80". Wt., 35 lbs.

Your Price **$38.22** List $65.00

No. 8791. Tyrman "80" factory assembled and completely wired, including Power Supply, ready to operate from 110-volt A.C. (50-60-cy.). **$137.30**

VICTOREEN UNIVERSAL 8



LATEST improved Victoreen Universal Superheterodyne. Single control. New power audio amplifier. The new Victoreen Single Control Universal represents the culmination of years of research and the conscientious manufacture of precision apparatus.

Sharp—Selective—Powerful

The intermediate transformers are air core wound, peaking sharply. **Each stage is an accurately tuned filter.** Interference is practically unknown. Separates stations in the most crowded districts. **Astounding long range.** Hundreds of users report hearing stations thousands of miles away.

List of Parts

No. 2132. Victoreen No. 150 Coupling Unit. Wt., 10 oz. **List, $5.50** **$3.24**

No. 2133. Victoreen No. 150 Antenna Coupler. Wt., 10 oz. **List, $3.50** **$2.06**

No. 2130. Victoreen No. 170 R.F. Transformer for 201A tubes. Wt., 1 lb. **List, $7.00**..... **$4.12**

No. 2134. No. 112 Audio Unit. Wt., 5 lbs. **List, $22.00. NET** **$12.94**

Power Amplification

The new Victoreen 112 audio unit provides the latest development in modern audio amplification. Will accurately respond to the lowest audible frequencies. **Amplifies naturally from the lowest bass to the highest treble notes.**

The Victoreen Universal, with master control, is as powerful an eight-tube radio receiver as can be designed.

List of Genuine Parts

4 Victoreen 170 transformers, $28.00; 1 Victoreen 150 oscillator, $5.50; 1 Victoreen 160 antenna coupler, $3.50; 1 Victoreen universal master control unit, $19.50; 1 Victoreen 112 audio transformer unit, $22.00; 1 Victoreen 2-ohm rheostat, $1.20; 1 Victoreen 6-ohm rheostat, $1.20; 1 Victoreen 400-ohm potentiometer, $1.50; 1 Victoreen audio control unit, $4.50; 1 Lignole 7x26 panel, drilled, $6.00; 1 binding-post strip, 6x⅝ in., 10c; 1 binding post strip, ⅝x2½ in., 10c; 1 Carter battery switch, 50c; 1 Carter No. 6 jack switch, $1.25; 8 Eby sockets, $2.40; 1 Carter single circuit closed jack, 55c; 1 Carter single circuit filament control jack, 70c; 2 Dubilier .00025 grid condensers, 80c; 2 grid leaks, 2 meg., 50c; 1 Tobe .001 fixed condenser, 40c; 1 Tobe 1 mfd. by-pass condenser, 90c; 7 Eby binding posts, $1.05; 1 Kurz-Kasch aristocrat vernier dial, $2.00; screws, wire, soldering lugs, $1.00; 1 wiring diagram, 50c.

Any good "A" and "B" will electrify this set.

Easy to Construct

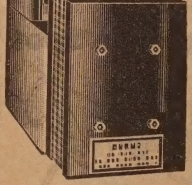
The new model Victoreen represents a simple layout. Can be assembled in less than an hour. Furnished with complete layout and wiring diagrams. **Factory-built panel and interior appearance.** Wt., 25 lbs.

No. C8852

Total List $105.65

YOUR PRICE

$56.95



KODEL RECTIFIERS
For Abox "A" Units

A new rectifier unit designed for use as a replacement unit for Abox "A" eliminators. Application and connection requires but a minute's time and no tools whatever. It clamps directly to the front of the Abox housing, one wire connecting to the terminal board—the other to the binding post on top of the old electrolytic rectifying cell on the Abox unit. Develops full 2½ ampere rate, gives perfect rectification and lasts indefinitely.

No. 8028. Model TA replacement rectifier unit for Abox "A" eliminators. **List Price, $8.00. YOUR PRICE....** **$4.70**

ELKON 5000 Hour Dry "B" Rectifier for B Eliminators

A new replacement rectifier for B eliminators. Sturdy, solid, rugged. No changes in wiring necessary. Instantly replaces filament or gaseous rectifier tubes in B eliminators. Manufacturers claim 5,000 hours of efficient operation in comparison to the 1,000 hour life of the average gaseous rectifier tube. Wt., 1 lb.

No. 5735. Type EBH. Replaces Raytheon BH Tube.

No. 5736. Type E80. Replaces 280 filament tube for A.C. sets and eliminators. **List, each, $6.00. YOUR PRICE**..... **$3.53**

NATIONAL SHIELD GRID 5—SINGLE CONTROL
The New Browning-Drake Screen Grid Receiver

NEW National Browning-Drake circuit incorporates the UX-222 shield grid tube in the radio frequency stage for greater amplification and more stable operation. **No neutralizing troubles.** The shield grid tube is non-oscillating and gives tremendous R.F. gain. Remarkable performance. DX reception on short antenna. Extremely selective.

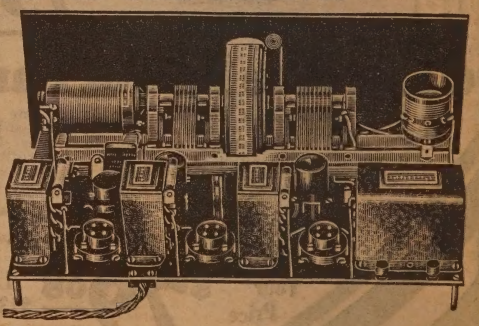
Powerful Amplification

Incorporates all the latest developments and features a new extremely low resistance radio frequency circuit employing the new screen grid tube. It provides a new degree of sensitivity—and makes possible hair-splitting selectivity. Only the finest parts are used in its assembly assuring peak efficiency. Easy to build. Recommended to the particular set builder as an "out of the ordinary" receiver.

List of Parts

1—National Single Control B.D. 222 Unit, 3—National Impedaformers, 1—National Tone Filter, 2—Aerovox .0001 molded condensers, 1 Aerovox .00025 Molded Condenser, 1—Aerovox .001 Molded Condenser, 2—Tobe .5 By Pass Condensers, 5—Bakelite UX Sockets, 2—R.F. chokes, 1—Filament Switch, 1—Carter 20 ohm Rheostat, 1—2 meg. grid leak with mounting, 2—filament equalizers with mounting, 1—7x18 panel, 1—10x17 panel.

Tubes required for the National Shield Grid 5: One 222, two 201A, one 240, one 171A.

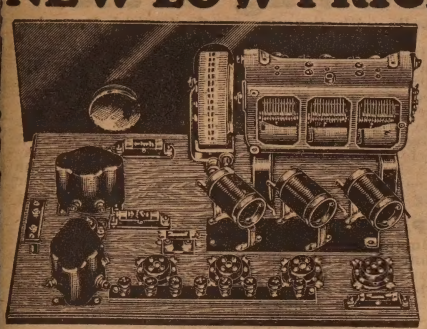


No. 8790

Total List, $69.55

Your Price..... **$40.90**

NEW LOW PRICE ON SINGLE CONTROL 6



LATEST design simplified control kit. Wonderfully efficient. Extremely simple to operate. Anyone can tune in on this fine sensitive receiver easily, for local or distant reception. Splendid performance. Exceptional tone quality.

Single Illuminated Drum Control

An illuminated vernier drum highly perfected is used to tune this receiver. Many extraordinary features are built into the drum control. These are not found in any other drum on the market with the possible exception of those used in the highest priced receivers. **The drum control itself is die cast** and it is a precision instrument. **It is cable driven** and so designed that the **knob is precisely centered** resulting in a factory built appearance. An unusual feature on the drum is the stop on the drum shaft itself which prevents any possibility of the cable breaking under strain. **The translucent scale of the drum is illuminated from behind by a miniature lamp. A panel escutcheon plated of graceful design is also furnished.**

Simple to Assemble

With accurately matched condenser and the coils already secured to mounting plate, it is a simple matter for anyone to assemble the Single Control 6. Audio frequency transformers of highest grade are furnished providing reproduction true and lifelike. Furnished with full size layout and diagram. Simple to assemble. Can be wired by anyone in less than an hour's time.

LIST OF PARTS

1—illuminated drum dial; 3—space wound coils mounted; 1—triple die cast condenser; 2—low ratio audio transformers; 6—Bakelite UX sockets; 8—binding posts and mounting strip; 2—tip jacks and mounting strip; 1—8x18 metal panel; 2—.25 ampere ballasts; 1—CRL volume control; 1—grid condenser; 1—grid leak; 1—9x17 baseboard; 1—resistance mounting; 1—rheostat with switch, by pass condensers, screws, wire, essential hardware; 1—wiring diagram.

No. 8853 — Your Price

$24.45

5-TUBE RADIO FREQUENCY KIT

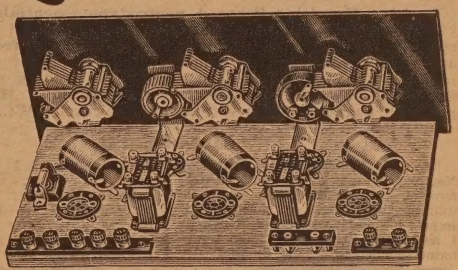
Priced For Quick Sale

Selective, Powerful Reception

Many long distance records have been established with this simple five-tube receiver. **Low loss condensers and accurately matched space wound coils.** Best grade of low ratio audio transformers provide a wonderful degree of reproduction. Three dial individual stage tuning. Variable resistance, oscillation control and clarity control.

Popular Demand

Five-tube radio frequency receivers represent the majority of radio sets in general use. Lowest price for this high quality, carefully designed apparatus. Complete parts with full sized layout. Diagram is non-technical. Nothing else to buy other than tubes and accessories. Simple to assemble. Easy to wire within a few hours time.



List of Parts Furnished with this Kit:

1—7x18 drilled metal panel. 1—9x17 baseboard. 3—modified SLF .00035 condensers. 3—space wound matched low loss R.F. coils. 2—low ratio audio transformers. 5—bakelite UX sockets. 1—10 ohm rheostat. 1—filament switch. 1—variable high resistance. 1—grid condenser .00025. 1—grid leak 2 meg. 1 pr.—panel brackets. 1—2 post strip. 1—5 post strip. 2—tip jacks, screws, lugs, wire and miscellaneous hardware. 1—wiring diagram.

No. 8854
List Value $40.00
Your Special Price **$13.10**

Three Dial RF Essential Kit

Highly efficient tuning units for the construction of any three dial radio receiver.

Condensers are of the popular type modified straight line frequency. Accurate and designed to eliminate all possible loss. Capacity, .00035 each.

Coils are space wound on bakelite tubing. Matched within a fraction of one percent. Lowest losses and highest efficiency for sharp, selective tuning. Coils furnished with mounting legs for ease of assembly. Coils and condensers matched as a unit.

No. 3141. List Value $12.00. YOUR PRICE **$3.90**

RF Essential Coil Set Matched

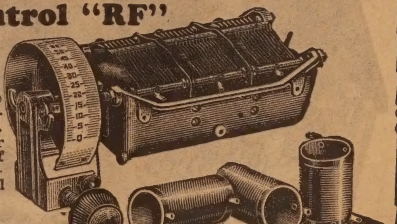
Kit of coils only. **Coils are space wound with enameled wire on threaded bakelite tubing. Accurately matched to a fraction of one percent.**

The three coils are precisely mounted at the scientifically correct angle. Inasmuch as the coils are mounted at the proper angle, individual shields should not be used between them. It is advisable to shield these coils only with a large box shield, the sides of which do not approach the coils within 2 in. at any point.

A highly efficient, accurate essential coil kit, readily adaptable to use with any precise gang condenser. Each coil contains .00035 condenser.

No. 3148 List Value $10.00. YOUR PRICE **$1.25**

Single Control "RF" Essential Kit



A complete single control radio frequency tuning unit. Recommended for the construction of any selective sensitive single control receiver.

DIE CAST CONDENSER

The condenser is accurately constructed to an unusual degree of efficiency. **Die cast frame of the rigid bath-tub type.** Hardened, lifetime bearings. The cast frame is so designed that the condenser plates are protected from injury of any sort. **The wide spacing of the plates permits phasing** of the condenser units to an extremely accurate extent. **Compensators are provided** on each unit to adjust for any variations in capacity that may occur in the wiring of the receiver.

MATCHED COILS

The coils are space wound with enameled wire on threaded tubing. They are accurately mounted on metal plate. Coils are matched within a fraction of one percent it may be readily seen that a precision selective tuning unit can be constructed with these essentials.

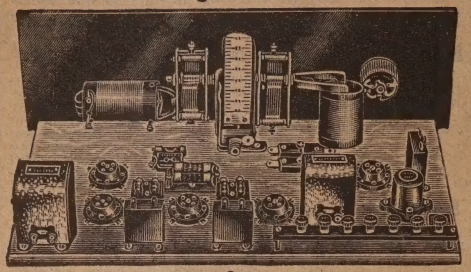
Furnished with or without an illuminated vernier drum control. The drum control is die cast and is of the cable drive type. Positively no slipping or back lash occurs. It may be mounted from either side. Unlike many of the drum controls on the market a tuning knob centers immediately below the scale of the drum. The translucent scale is illuminated from behind with a small pilot lamp which is provided. A gracefully designed escutcheon plate with template is also provided.

No. 3149. R.F. Essential Kit complete with drum. **List $25.00. YOUR PRICE** **$8.18**

No. 3150. R.F. Essential Kit without drum. **List $20.00. YOUR PRICE** ... **$6.20**

New Low Prices on Browning Drake

With New Improved Small Coils



ASTOUNDING results with the new Single Control Browning Drake circuit. Great range, unusual selectivity and greatly simplified tuning. **Incorporates the latest developments and all of the new features.** Extremely low resistance radio frequency circuit provides the utmost degree of sensitivity and selectivity to a greater extent than ever before. Greater efficiency than most seven and eight tube circuits.

Neutralized, stable, highly efficient radio frequency stage followed by regenerative detector, two stages of resistance coupled amplification for perfection of tone quality and one power transformer stage adaptable for use with power tubes. Uses **output tone filter,** thus keeping direct current out of loud speaker windings, protecting speaker from damage from the highest voltages.

SPACE WOUND COILS

Space wound inductances, low loss condensers, finest grade apparatus throughout. Employs the **new illuminated vernier drum dial** incorporating features found in no other tuning control of this type. **Pleasing panel appearance with new escutcheon plate** of graceful design. The knob of the drum dial centering immediately below the window of the escutcheon plate permits **perfect symmetrical panel layout.** Wt., 20 lbs.

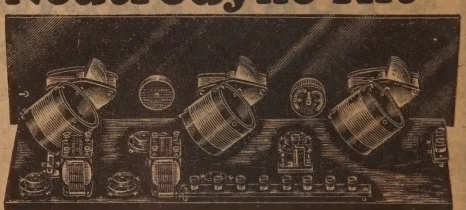
No. 7003
List Value $65.00
YOUR PRICE
$28.85

List of Parts

One Single Control Drum Dial, 2 Pilot .00035 Condensers, 1 set T.C. Browning-Drake Coils, 1 Knight Audio Transformer, 1 Knight Tone Filter, 2 stages Resistor Coupling, 2 Fixed Condensers, 2 By-Pass Condensers .1, 1 By-Pass Condenser .5, 2 Neutralizing Condensers, 1 Fixed Condenser .0001, 1 Grid Condenser .00025, 5 Bakelite UX Sockets, 1 1-ampere Ballast, 1 ½-ampere Ballast, 1 Frost 30-ohm Rheostat with Switch, 1 Radio Frequency Choke, 7 Binding Posts, 1 Binding Post Strip, 1 7-21 Bakelite panel, 1 9x20 Baseboard, Miscellaneous Screws and Essential Hardware, 25 ft. Wire, 1 wiring Diagram.

Improved Five Tube Neutrodyne Kit

Genuine Hazeltine licensed neutrodyne essentials. Newly developed, highly efficient, selective and powerful five tube receiver. Simple to assemble and wire. **Free from oscillation and easily neutralized.** The Neutrodyne circuit with its simplicity of operation has been adopted by leading manufacturers. Selective, powerful with perfect reproduction. Highest quality parts throughout. Full size layout diagram. Wt., 15 lbs.

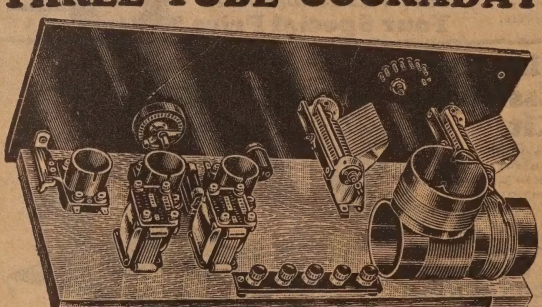


No. 8831
List Value $45.00
Your Special Price . . **$18.95**

List of Parts

One 7x24 bakelite panel, drilled; 1 Neutrodyne essential kit with neutroformers, variable condensers and neutralizing condensers; 5 bakelite UX socket; 1 rheostat with filament switch; 1 modulator; 2 low ratio audio transformers; 3 bakelite 4-in. dials; 1 .001 fixed condenser; 1 .00025 grid condenser; 1 2-meg. grid leak; 1 .01 by-pass condenser; 2 tip jacks; 1 binding post strip with eight posts; 1 binding post strip with two posts; screws, wire, lugs and miscellaneous hardware; 1 wiring diagram.

THREE TUBE COCKADAY



The three-tube Cockaday is the ideal small set. Economical to construct and operate. The famous Cockaday circuit is sensitive and selective. A splendid receiver for crowded districts. Easily separates local and distant stations. **Ideal for rural communities because of its long range.** Full loud-speaker volume obtained. Fine tone quality. Simple to construct with our diagram and layout. A fast and profitable seller. Wt., 12 lbs.

List of Parts

One 7x21-in. drilled bakelite panel, $4.00; 1 20x8-in. baseboard, 30c; 2 4-in. bakelite dials, $2.00; 1 30-ohm rheostat with knob, 75c; 1 single circuit jack, 50c; 1 switch lever, 25c; 7 switch points, 15c; 2 switch stops, 5c; 2 binding posts, Ant., Gnd., 20c; 1 binding post strip with five marked posts: A+, A—, B—, B+, B+, $1.00; 2 .0005 S. L. F. condensers, $8.00; 1 filament switch, 50c; 1 Cockaday coil, $4.00; 3 universal sockets, $2.25; 1 No. 112 Amperite, $1.10; 1 Knight 6-1 transformer, $4.50; 1 Knight 3½-1 transformer, $4.00; 1 .00025 fixed condenser, 35c; 1 2-meg. grid leak, 25c; 1 grid leak mounting, 25c; screws, lugs and bus-bar, $1.00; 1 wiring diagram and layout, 50c.

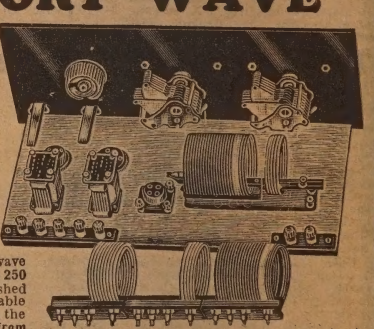
No. 8826
Total List Value $35.90
Your Special Price **$12.45**

Cabinet and accessories for this receiver will be found on other pages of this catalog.

SHORT WAVE

20 to 550 Meters

Plug In Coils



New Short Wave Kit with interchangeable short wave coils. Covers lower wave lengths from **20 to 250 meters,** also furnished with interchangeable coils covering the **broadcast range from 250 to 550 meters.** A universal general purpose receiver. Three tubes highly efficient. Full loudspeaker volume.

A precision laboratory circuit. Wonderful records of distance reception have been made on short waves. More short wave transmitting stations in operation now than ever before. Highest quality parts throughout. Plug in coils for instantaneous change to any desired wave length band.

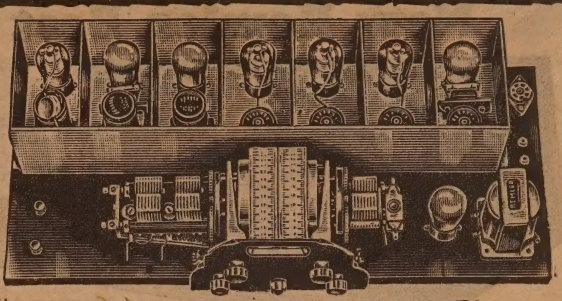
List of Parts

One 7x18 drilled bakelite panel, 1 9x17 baseboard, 1 .00014 variable condenser, 1 .00035 variable condenser, 1 UX cushion socket, 2 bakelite UX cushion sockets, 1 set short wave plug-in coils 20 to 250 meters, 1 plug-in coil 200 to 550 meters, 2 3 to 1 audio transformers, 1 single open circuit jack, 1 double circuit jack, 1 20-ohm rheostat, 1 binding post strip with five posts, 1 binding post strip with two posts, 2 Kurz-Kasch aristocrat vernier dials, 1 grid leak 2 meg., 1 by-pass condenser .001, screws, wire, miscellaneous hardware, 1 wiring diagram. Wt., 15 lbs.

List Value $40.00
No. 8813
Your Price **$16.65**

Remler 29 Shield Grid Kit

The latest development of the Remler laboratories



Four Shield Grid Stages

AN ultra-powerful receiving set employing a single tuned stage of shield grid amplification, a regenerative detector and three intermediate shield grid R.F. stages. The high amplification of the new shield grid tube builds up the faintest signal or impulse to tremendous power. Makes possible the reception of the most distant stations with local volume.

Excellent Tone Quality

Uses new Remler audio transformers which respond equally to all musical frequencies, amplifying the low notes naturally. With a good speaker, reproduction is astoundingly true and lifelike.

A Laboratory Receiver

The Remler 29 includes the new 712 unit which consists of a laboratory assembled stage of tuned radio frequency with shield grid tube followed by a regenerative first detector, three stages of shield grid amplification at 115 K.C., oscillator and second detector. Completely wired, tested, balanced and inspected. Duplicates performance of the original laboratory model.

Exceptionally Easy to Build

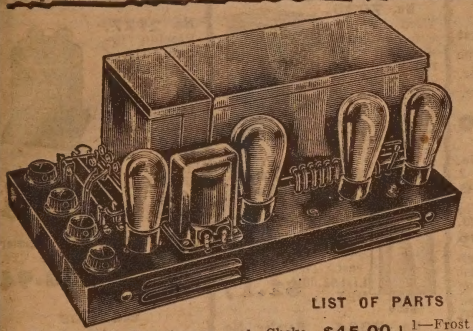
The Remler 29 is simple to assemble and build. Anyone with the use of a screw driver and soldering iron can put together this marvelous receiver within a short space of time. Wt., 70 lbs.

LIST OF PARTS

1—Remler 712 Shield Grid Amplifier	$70.00
1—Remler 752 Foundation Kit, including steel sub base, installation panel, bronze escutcheon plate and all necessary hardware, knobs, etc.	15.00
2—Remler 110 Universal Drum Dials	9.00
1—Remler 632 Two in Line Condenser	12.00
1—Remler 638 Twin Rotor Condenser	5.00
1—Frost 500,000 ohm Volume Control	2.00
1—Frost 200,000 ohm Sensitivity Control	2.25
1—Frost 10 ohm Gem Rheostat with Switch	1.00
1—Cable Plug with Socket	3.00
1—Remler 920 Transformer	12.00
Total List	$131.25

No. 8910 YOUR PRICE $77.17

Remler 950 Power Amplifier



For The Remler 29 Receiver

THE new Remler 950 Power Amplifier especially designed for use with the Remler 29 receiver. It incorporates a stage of 250 power amplification in connection with the new Remler 921 second stage high gain audio transformer and the new Remler output impedance compensating transformer. Provides an unfailing source of pure, noiseless D.C. current for the operation of the 250 power tube. It also supplies the necessary B voltages for the operation of the receiver. Assembled on a formed steel sub base. Easily constructed in a short time.

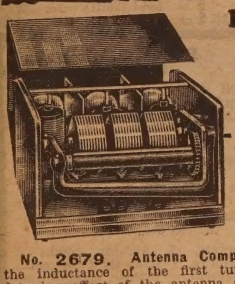
For Use With Dynamic Speaker

This amplifier is capable of such extreme perfection in tone quality that it is recommended for use with a good dynamic speaker in order to obtain the best results. While designed for use with the Remler 29, the new 950 Power Amplifier is adaptable for use with any other receiver to supply proper B voltage and provide a stage of high grade power amplification. Wt., 50 lbs.

LIST OF PARTS

1—Remler 950 Transformer and Choke	$45.00
1—Remler 950 Foundation Kit	12.00
1—Remler 921 Audio Transformer	12.00
1—Remler 923 Output Impedance	20.00
1—Frost 300 Resistance Kit	9.00
2—2 mfd. By Pass Condensers	4.00
3—2 mfd. Filter Condensers	12.00
Total List	$114.00

No. 8911 YOUR PRICE $67.03



Remler RF Amplifier

A completely shielded RF tuning unit using two stages of radio frequency amplification and detector.

Uses Remler 633 three in line compensated condenser. The coils are shielded and are of the solenoid type with primaries arranged to rotate for automatic coupling controlled by the condenser shaft. Consistent coupling and uniform gain at all wave lengths. Includes antenna compensator. Wt., 15 lbs.

No. 3804. List, $55.00. YOUR PRICE ..... **No. 710 Amplifier. $32.34**

No. 2679. Antenna Compensator. Provides a means of varying the inductance of the first tuned circuit. Nullifies the detuning effect of the antenna system. Wt., 8 oz. List, $5.00. YOUR PRICE..... **$2.94**

Remler Twin Rotor Condensers

Nationally known efficient condensers. Full 360° rotation. Spreads stations twice as far apart as the usual condenser. Simplifies tuning. Wt., 2 to 5 lbs.

SINGLE UNITS

3100. .00035 SLW
3101. .0005 SLW
3102. .0001 SLF
3103. .00035 SLF
3104. .0005 SLF

List, each, $5.00. YOUR PRICE.. **$2.94**

TWO IN LINE CONDENSERS

3106. .00035 SLW
3107. .00035 SLF
List, each $12.00.
YOUR PRICE **$7.05**

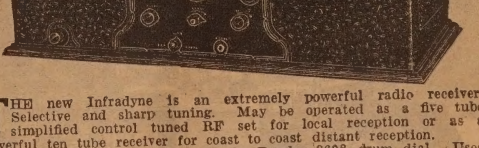
THREE IN LINE CONDENSER

3108. .00035 SLW
List, $15.00.
YOUR PRICE **$8.82**

REMLER STANDARD DIAL

3105. List, $1.00.
YOUR PRICE **59c**

New 1929 Infradyne



THE new Infradyne is an extremely powerful radio receiver. Selective and sharp tuning. May be operated as a five tube simplified control tuned RF set for local reception or as a powerful ten tube receiver for coast to coast distant reception. Illuminated drum control with the Remler 360° drum dial. Uses the new Remler audio transformers. Wonderful full, natural, lifelike tone. Wt., 45 lbs.

LIST OF PARTS

1—Remler Infradyne Foundation unit, consists of essential parts for the Infradyne, including bronze control panels, Remler drum dial, sockets, chokes, condensers, switch and all miscellaneous parts. 1—Remler RF Amplifier with Antenna Compensator. 1—Infradyne Amplifier. 1—Remler Infradyne Cabinet and Base. 1—Jewell 0-5 Voltmeter. Tubes for the Infradyne: five 301A, four X199, one type 112A or 171A.

1—Remler No. 900 Audio Transformer. 1—Remler No. 901 Audio Transformer. 1—Remler No. 922 Output Transformer.

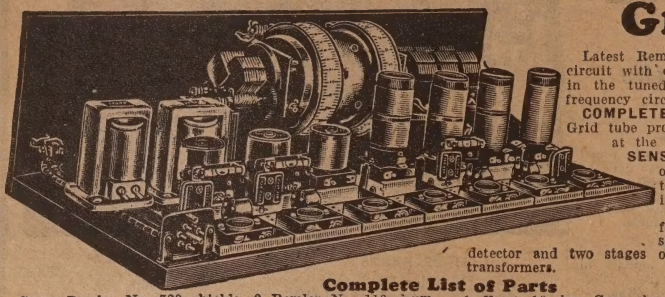
Total List.....$182.50

No. 8912 YOUR PRICE $107.30

No. 3803. Infradyne Foundation Unit. List, $52.00. YOUR PRICE..... **$30.58**
Shipping wt., 30 lbs.

No. 8867. Infradyne Cabinet and Base. List, $15.00. YOUR PRICE..... **$8.82**
Shipping wt., 10 lbs.

New Remler Best 115 KC Shield Grid Super



Latest Remler Shield Grid Superheterodyne. A new improved circuit with enormous R.F. gain. Employs two shield grid tubes in the tuned R.F. section and two more in the intermediate frequency circuit.

COMPLETELY SHIELDED with the new Remler shields. Shield Grid tube properly shielded is non-oscillating even when operating at the peak efficiency.

SENSITIVE AND SELECTIVE. Ten kilocycle separation of stations adjacent to high power broadcasting stations. The great selectivity of this receiver does not impair the quality of reproduction.

Incorporates two stages of shield grid tuned radio frequency, regenerative first detector, oscillator, two stages of 115 K.C. intermediate amplification, second detector and two stages of high quality audio with the new Remler audio transformers.

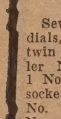
Complete List of Parts

Seven Remler No. 720 shields, 2 Remler No. 110 drum dials, 1 Remler No. 633 3-in-line cond., 1 Remler No. 638 twin rotor cond., 1 Remler No. 550 inductance, 1 Remler No. 570 oscillator; Remler Inductances: 1 No. 562, 1 No. 564, 1 No. 612, and 2 No. 614; 15 Remler No. 50 sockets, 3 Remler No. 61 resistance mountings, 1 Remler No. 502 compensator, 1 Remler DK-10 knob, 2 Remler No. 750-12 knobs, 4 Remler No. 35 chokes, 1 No. 954 jack, 1 500,000 ohm resistance, 1 2000 ohm resistance, 1 Frost 10-ohm Gem rheostat, 1 200-ohm potentiometer, 2 4-ohm resistances, 1 1-ohm resistance, 3 .00025 cond., 2 .005 cond., 1 .0005 cond., 1 .0001 cond., 1 .00005 cond., 7 .1 by pass cond., 2 3-megohm grid leaks, 1 4-megohm grid leak, 1 Remler No. 900 transformer, 1 Remler No. 901 transformer, 1 Remler No. 922 output, 1 Jewell 0 to 5 meter, 1 cable plug and socket, 2 Eby binding posts, 1 11x25 baseboard, 1 7x26 drilled and engraved panel, 1 Samson No. 85 choke. Wt. 30 lbs.

Total List $163.95
No. 7050
Your Price $96.40

Tubes needed for the 115 K. C. Super; Four Shield grid tubes, four CX301A, one CX112A.

Remler Interchangeable Inductances



ANTENNA COUPLERS

No. 7025. Remler No. 550 Inductance. Wt. 10 oz. List $3.00. NET **$1.76**

No. 7026. Remler No. 551 Inductance. Wt. 10 oz. List $3.00. NET **$1.76**

R. F. TRANSFORMERS

No. 7028. Type 560 for shield grid tubes. Wt. 1 lb. List $3.00. NET **$1.76**

No. 7029. Type 561 for standard 201A tubes. Wt. 1 lb. List $3.00. NET **$1.76**

No. 2720. Type 564 three circuit inductance. Wt., 1 lb. List $4.00. NET **$2.35**

No. 2721. Type 562 shield grid R.F. inductance used with No. 564. Wt. 1 lb. List $3.00. NET **$1.76**

No. 7027. Type 570 oscillator inductance. Wt. 1 lb. List, $4.50. NET **$2.65**

No. 2722. Type 540 primary Coil 25 turn. Wt. 6 oz. List $1.00 NET **.59C**

No. 2723. Type 541 primary Coil 100 turn. Wt. 6 oz. List $1.00. NET **59C**

No. 2724. Type 542 primary coil 250 turn. Wt. 6 oz. List $1.00. NET **.59C**

New Remler Audio Transformers

No. 1957. First Stage Audio. Remler type 900, 3½ to 1 transformer. Used in first audio stage. Wt. 2 lbs. List $8.00. NET. **$4.70**

No. 1958. Second Stage Audio. Remler type 901, 3 to 1 ratio. Wt. 2 lbs. List $8.00. NET..... **$4.70**

No. 1990. High Gain Audio. 4½ to 1 high ratio. Wt. 3 lbs. List $12.00. NET **$7.06**

No. 1991. Remler No. 921. A high gain ratio, 6½ to 1. Used between first audio and power tube particularly when using new 250 power tube. Wt. 3 lbs. List $12.00. NET..... **$7.06**

No. 1992. Output Transformer. For use with 112A, 171A or 210 tube. Wt. 4 lbs. List $10.00. NET..... **$5.88**

No. 1993. No. 923 Output Transformer. For new 250 power tube. Wt., 4 lbs. List $20.00. NET..... **$11.76**

Remler Shielding Case

No. 7035. Used wherever effective shielding is required. Size 3" wide by 5½" deep by 5¼" high. Wt. 1 lb. List $3.00. NET **$1.76**

Ballast Tube Shields

No. 7033. Type 55 for 201A or 222 tubes. Die cast. Wt. 6 oz. List $2.00 NET ... **$1.17**

No. 7034. Remler No. 56 tube case—a copper case only without metal base. Wt. 6 oz. List $1.00. NET **59c**

No. 7032. Type 54 shield for 199 tubes. Wt. 6 oz. List $1.00. NET..**59C**

Remler Intermediate Transformers

No. 2127. Provide intermediate amplification at 45 K. C. All Remler intermediate transformers are matched at the factory to laboratory standard. Wt. 10 oz. List each $6.00. YOUR PRICE **$3.53**

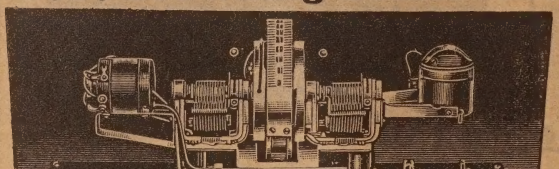
No. 2128. Remler Tuned Filter. Type 610. Wt. 10 oz. List $5.00. NET... **$2.94**

Remler R. F. Choke

No. 2031. To limit radio frequency currents. Molded bakelite case. Wt. 4 oz. List 90c. NET..**53C**

1929 Browning-Drake Shielded Grid Kit

For A. C. Electric Operation



Incorporates greatest features in coil design developed since the regenaformer. Absolutely single control with no antenna trimmers or any auxiliary adjustments. Hair lined tuning on the most distant stations.

SCREEN GRID AMPLIFICATION. Tremendous gain with new shielded grid tube in the R.F. stage. Famous Browning-Drake detector circuit. Resistance couple amplifier. Reception and volume is great on local and distant stations.

A. C. OPERATION with new A. C. tubes. Furnished without A. C. pack. Power unit may be installed at the rear for a complete A. C. set of the highest type. Wt. 35 lbs.

Genuine Parts

One official B-D 1929 A. C. shield grid kit set. 1 B-D foundation unit, 2 B-D R. F. chokes, 3 B-D special coupling condensers, 2 Eby UY type sockets, 5 Aerovox cond., 1 Aerovox, 1 Mfd. By-Pass cond., 7 resistors, 1 Frost volume control and A. C. Switch, 4 Eby binding posts, 1 Aerovox .5 moulded cond., 2 1000-ohm resistors.

Total List $59.45
No. 8788 **Your Price $34.96**

Official B. D. Foundation Unit

No. 7098. Drilled front and sub-panel, with amplifier, sockets and resistor holders, twisted A.C. wire, connecting cable and all hardware. Wt., 5 lbs.

List $14.75. NET **$8.67**

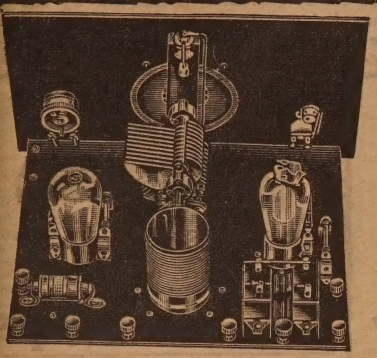
B. D. R. F. Choke

No. 7006. For the new official B-D Kit. Wt. 6 oz. List $2.00. NET **$1.18**

New Official B. D. Kit Set Shield Grid AC

No. 7099. The latest Browning-Drake essential single control tuning unit. Used with new screen grid tubes. New small diameter space wound inductances, precision condensers, single drum control. Specified for the new B-D Shielded Grid A. C. kit. Wt. 10 lbs. List Price $26.00. YOUR PRICE..... **$15.28**

National Radio's Latest Values



New Low Price on National Screen Grid SHORT WAVE RECEIVER

COMPRISES several unique features. Uses the new 222 screen grid tube in the first R.F. stage, amplifying the incoming signal tremendously. The advance design of the national screen grid receiver makes shielding of the 222 tube and inductance unnecessary resulting in ease of construction and operation.

19 TO 100 METERS

By means of a series of four interchangeable coils, the national short wave kit will cover the full band of short wave frequencies from 15 to 100 meters.

There are a great many stations to be heard with a short wave receiver. With it distance takes an entirely new meaning. It is not uncommon to receive broadcasting from foreign stations located thousands of miles away with a 1, 2 or 3 tube short wave receiver. Static and fading is frequently entirely absent when reception on the regular broadcast band is exceedingly poor.

Aside from the thrill of possible foreign reception, reliable reception of such American stations as KDKA, WABC, WLW, WGY and many amateur broadcasts on short wave receivers can usually be depended upon. The broadcasting stations mentioned above transmit regular programs on short waves in conjunction with their usual broadcast programs. These can often be picked up easily on the lower wave lengths when interference makes reception practically impossible in the broadcast band.

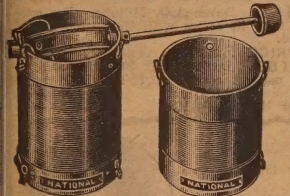
At present many experiments are being conducted with television. Practically all of these television signals are transmitted under lower wave lengths. Anyone wishing to experiment with television reception requires an efficient short wave receiver. Wt. 20 lbs.

LIST OF PARTS:

1—National Foundation Unit.
1—National Type "E" Dial.
1—National .000125 Condenser.
1—Set National Short Wave Inductances.
1—National R.F. Choke Type 90.
1—National Impedance Type 10.
1—Aerovox .001 Condenser.
1—Aerovox .00025 Condenser.
2—Aerovox .5 By-Pass Condensers.
1—Aerovox 1 Mfd. By-Pass Condenser.
1—Electrad Resistor Type "L".
2—Lynch Equalizers.
1—Grid Leak.
1—Filament Switch.
8—Eby Binding Posts.

TOTAL LIST $34.85
No. 8789 YOUR PRICE
$20.49

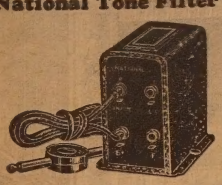
Browning-Drake Coils



Designed by G. H. Browning and F. H. Drake of Harvard University. 90 percent efficient. Space wound inductances on threaded bakelite tubing. Wt. 3 lbs.

No. 3006. B.D. 1 and 2. List $8.50. YOUR PRICE **$5.00**

National Tone Filter



Protects the loud speaker from high plate current drawn by power tubes. An impedance of the proper value through which the plate of the tube is supplied. Combined with a 2 Mfd. filter condenser in one case. Will carry 35 Mils continuously without heating or saturating. Wt. 3 lbs. each.

No. 1945. List without cord $6.50. Net **$3.82**

No. 1946. List with cord $7.00. NET **$4.12**

Type 250 for the new UX-250 tube. Will carry as much as 100 Mils.

No. 1947. List without cord $8.00. Net **$4.70**

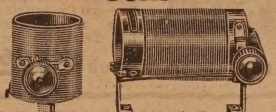
No. 1948. List with cord $8.50. Net **$5.00**

National Scratch Filter

For use with electrical phonograph pick-ups to subdue the amplification of needle scratch noises. Wt. 2 lbs.

No. 6537. List $5.50. NET..... **$3.23**

New National B.D. 2 in. Coils



Small size improved Browning-Drake inductances. A special high impedance primary transformer supplied with the UX222 coil.

No. 2751. Type B.D. 4 National Antenna coil. Wt. 6 oz. List $1.50. NET **88c**

No. 2752. Type B.D. 5 National Antenna coil, with trimmer. Wt. 6 oz. List $3.00. NET..... **$1.76**

No. 2753. National regenaformer transformer. Wt. 1 lb. List $5.50. NET **$3.23**

No. 2754. National type 222 regenaformer transformer for shielded grid tubes. Wt. 1 lb. List $5.50. NET **$3.23**

National R. F. Choke

Designed to plug in standard grid leak mounting.

No. 2747. Type 90, especially suited for short wave work. Inductances 90 millihenries. Wt. 4 oz. List $1.25. NET **73c**

No. 2756. Type 250, for all standard receivers. Inductances 250 millihenries. Wt. 4 oz. List $1.60. NET **94c**

National Vernier and Drum Dials

TYPE "E" DIAL

Embodies smooth gearless mechanism without back lash and an artistic and distinctive panel escutcheon plate. Wt. 1 lb.

No. 1927. 0-100-0.
No. 1925. 200-0. List Each $2.75 without illuminator. YOUR PRICE **$1.62**

TYPE "F" DRUM DIAL

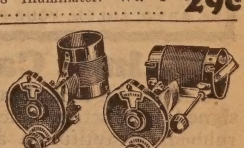
Embodies a velvet smooth operating mechanism. Automatic spring takeup and assures a positive drive at all times. Attractive panel escutcheon plate. Translucent scale permits perfect illumination. Wt. 1 lb.

No. 1928. List $4.00 without illuminator. NET..... **$2.35**

No. 1926. Type 28 illuminator. Wt. 4 oz. List 50c. NET **29c**

National Tuning Units

For the Two Dial Official Browning-Drake Receiver

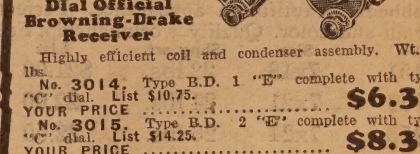


Highly efficient coil and condenser assembly. Wt. 6 lbs.

No. 3014. Type B.D. 1 "E" complete with type "C" dial. List $10.75. YOUR PRICE **$6.32**

No. 3015. Type B.D. 2 "E" complete with type "C" dial. List $14.25. YOUR PRICE **$8.38**

Official Genuine National B. D. Tuning Units



Designed for single control. Embodies the new small size space wound coils mounted as a single unit with Equitune condensers driven by the new national velvet Vernier drum dial.

INDUCTANCE TRIMMER

A new improved feature, a special inductance trimmer in the antenna circuit. Eliminates the necessity of a trimmer condenser and insures selective tuning of the antenna stage.

Mechanical and electrical efficiency is extremely high. Recommended for the construction of a standard Browning-Drake receiver, or as a high gain two tube tuner for use in connection with any power amplifier. Wt. 10 lbs.

No. 7088. List $24.50. YOUR PRICE $14.41

TYPE 222 FOR USE WITH SHIELDED GRID TUBE

Furnished with proper winding to permit the use of a UX 222 shielded grid tube. Embodies a special high impedance slot wound primary. Wt. 10 lbs.

No. 7089. List $24.50. YOUR PRICE $14.41

Television Apparatus

EXPERIMENTAL TELEVISION APPARATUS. Television in its present stage being an undeveloped art, we display Television apparatus here and offer it for experimental purposes only. We do not advocate its use nor do we offer Television material under any guarantee whatsoever. THIS IS EXPERIMENTAL EQUIPMENT AND IS NOT SUBJECT TO RETURN FOR CREDIT OR REFUND UNDER ANY CONDITION. We cannot guarantee its safe delivery and in the event of damaged shipments the purchaser is advised to file claim with the carrier. We offer on display here only merchandise made by nationally known, reputable manufacturers.

Raytheon Kino-Lamp

Glow lamp for Television receivers. A Neon type tube having a plate 1½ in. square presenting a glow area of 2¼ square inches. Uniform glow over the entire plate without the use of mirrors or ground glass gives it perfect reproduction qualities. Starting voltage 220 to 235 volts.

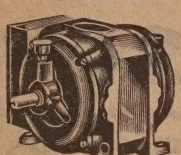
No. 7151. List $7.50. YOUR PRICE. **$4.41**

Raytheon Photo Electric Cell

Light sensitive tube for Television transmitting apparatus.

No. 7152. List $20.00. YOUR PRICE **$11.76**

TELEVISION MOTOR



A.C. induction motor for Television. Constant or variable speed with ease of control. Highly efficient, cool running. Quiet and clean. Has no brushes or commutators consequently producing no radio interference. Single phase 1800 R.P.M. recommended for receiving sets using 24 inch scanning disc. Very easy to maintain any speed between 750 and 1700 R.P.M. with 5 to 45 ohm variable resistance. ½ H.P. 110 volt 60 cycle A.C.

No. 7153. List. $30.00. YOUR PRICE **$19.11**

No. 7159. Machined flange for scanning disc. List $3.00. YOUR PRICE **$1.91**

No. 7160. Rubber cushion base. List $2.50. YOUR PRICE **$1.60**

TELEVISION MAGAZINE

Keep up to the minute with Television development. Television magazine published monthly with latest information data and circuits.

No. 4319. List, 35c. YOUR PRICE.. **21c**

DAVEN TELEVISION KIT

Latest Television Daven Essential Kit complete. Furnished with scanning disc, motor bushing, rheostat bushing, neon tube and three complete stages of amplification.

No. 7154. List $60.00. YOUR PRICE **$38.22**

DAVEN SPECIAL MOTOR

No. 7161. List, $27.50. YOUR PRICE **$17.51**

Daven Television Amplifier

Type 3-T with resistors and coupling condenser. Amplifying perfection. The only suitable type of amplifier for Television reception.

No. 7155. List $12.50. YOUR PRICE **$7.96**

TELEVISION AMPLIFIER

High quality resistant coupled amplifier for Television receivers. Ordinary forms of amplification are unsuitable for Television due to their unequal frequency curves. Resistance coupling is practically the only true amplifier for straight line amplification and is consequently highly suitable for Television. Wt. 2 lbs.

No. 3129. List $8.00. YOUR PRICE **$4.30**

Daven Television Lamp

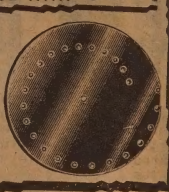
Will give excellent illumination with a current of 20 milliamperes or less. Designed to operate with an output tube in series. Where extremely bright illumination is required the tube may be loaded up to 80 milliamperes by means of suitable output tubes. Striking voltage 160. Plate area 1½ square.

No. 7156. List $12.50. YOUR PRICE **$8.57**

No. 7157. Daven A.C. 71 tube. For output type tube in series with Television lamp. List $3.50. YOUR PRICE **$2.40**

No. 7158. Daven A.C. 10 Tube. Output tube for use in series with Television lamp for brighter illumination. List $9.00 YOUR PRICE **$6.17**

SCANNING DISCS



Accurately designed scanning discs with holes properly laid out to prevent distortion. For receiving 1½x1½ pictures.

No. 7165. 24 aperture disc. List $5.00. YOUR PRICE..$3.18

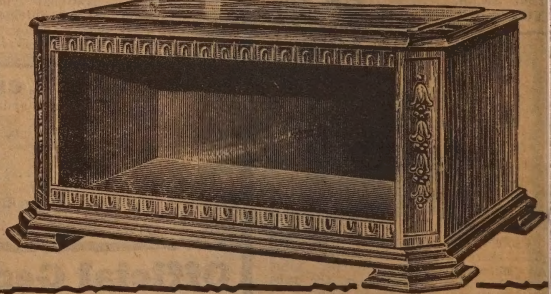
No. 7168. 48 aperture disc. List $10.00. YOUR PRICE.. 6.37

No. 7169. Bushing to fit ¼ in. motor shaft. List $1.00. YOUR PRICE..... .64

No. 7171. New type T468 combination disc for receiving 24, 36 and 48-line pictures. List, $15.00. NET..... 9.75

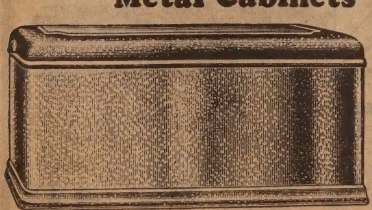
Walnut Carved Cabinets

One of the most beautiful walnut cabinets ever designed. Attractive, graceful lines. Finely finished, hand rubbed. Beautiful in appearance. Perfectly matched grain and color. Quality workmanship. Full 12" depth.



No.	Size	Shpg. wt.	List	NET
9151	7x18	22 lbs.	$21.00	$ 8.55
9152	7x21	24 lbs.	22.00	9.69
9153	7x24	26 lbs.	22.50	10.26
9154	7x26	30 lbs.	23.00	10.83
9155	7x28	32 lbs.	23.50	11.40

Metal Cabinets



Richly finished metal cabinets. Finely designed. Beautiful, graceful lines. Will accommodate any sets requiring 7x18 or 8x18 panel. Front of cabinet may be used as panel for direct mounting of dials or escutcheon plate. Full 13 in. depth. Wt. 10 lbs.

Beautiful colored Finishes Offered in Bronze Crackle, Chinese Red and Green.

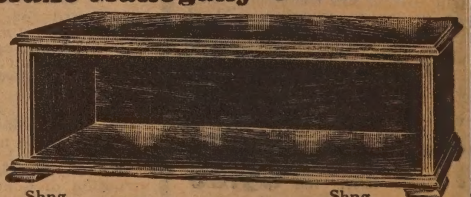
Chinese and green finishes have polychrome gold effect.

No. 9164. Bronze
No. 9165. Chinese Red
No. 9166. Green

YOUR SPECIAL PRICE **$4.80**

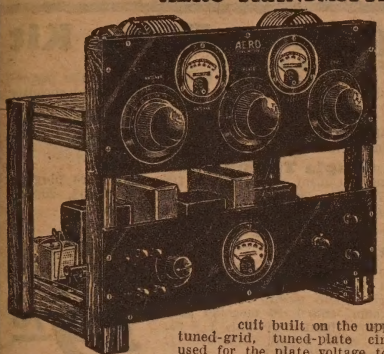
Deluxe Mahogany Cabinets

Beautiful, hand rubbed mahogany finished cabinets. Finely constructed and endurable. Grooved for 3-16 in. panels. Wonderful values. All sizes 10 in. deep.



No.	Size	Shpg. Wt., lbs.	YOUR PRICE	No.	Size	Shpg. Wt., lbs.	YOUR PRICE
9157	7x18	15	$3.95	9160	7x26	20	$4.95
9158	7x21	17	4.40	9161	7x28	22	5.25
9159	7x24	18	4.70	9162	7x30	24	5.85

AERO TRANSMITTERS



Radiophone Transmitter No. 55 is a simple and extremely efficient, though inexpensive, 7½ watt transmitter. It utilizes three 210 and two 227 tubes. Modulation is accomplished by means of the 210's, while the 227's are used in the speech amplifier. It also has two 281 tubes, making 7 tubes in all. Isolation of all parts carrying R.F. currents is accomplished by placing same on upper deck as illustrated, while the circuits associated with power or low frequency voice currents are confined to the lower deck. This gives the best form of construction.

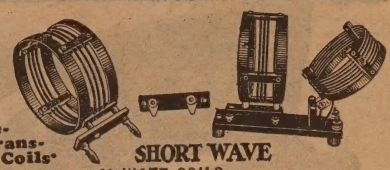
The Radiophone Circuit built on the upper deck is the well-known tuned-grid, tuned-plate circuit. A series feed is used for the plate voltage to the oscillator.

Five hundred and fifty volt power supply is obtained from the 60 cycle house current and is rectified by two 281's, thus supplying 550 volts for the 210 tubes. The two modulators as well as the oscillator are all 210 amplifiers. Though the set may be efficiently operated with only one modulator, we recommend that two be employed.

No. 8777. Aero Radiophone Transmitter No. 55. Complete for Phone Operation from 60 Cycle A.C. current. Wt., 55 lbs.
List, $185.00. NET, without tubes..... **$108.78**

No. 8778. Code Transmitter. Aero Kit No. 56. For Code Work Only. For Battery Power Supply. Resembles Upper Deck of Aero No. 55 Transmitter. Wt., 20 lbs.
List, $95.00. NET, without tubes..... **$55.86**

Aero Transmitter Coil Kits



Interchangeable Transmitter Coils

SHORT WAVE

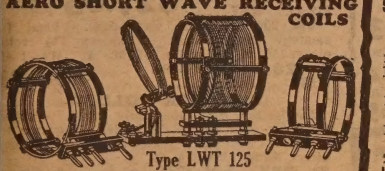
30 WATT COILS

No.	Transmitter Kit No.	Meter Range	List	Net
1121	2040-K.	16.5 to 52	$12.00	$7.06
1122	4080-K.	36 to 90	12.00	7.06
1123	9018-K.	90 to 180	12.00	7.06
	SINGLE TRANSMITTER COILS			
1124	2040-C.	16.5 to 52	$4.00	$2.35
1125	4080-C.	36 to 90	4.00	2.35
1126	9018-C.	72 to 190	4.00	2.35
1128	Grid Mounting Base.		1.00	.59
1127	Antenna Meunting Base.		3.00	1.76
	150 WATT TRANSMITTER COILS			

Coils of the same general appearance and design as the 30 watt size shown above but wound with heavy silvered copper strip.

2725	24-K	16.5 to 52	$15.00	$8.82
2726	48-K	36 to 90	15.00	8.82
2727	98-K.	72 to 190	15.00	8.82
	150 WATT COILS ONLY TEL			
2728	24-C.	16.5 to 52	$5.50	$3.23
2729	48-CC.	36 to 90	5.50	3.23
2730	98-C.	72 to 190	5.50	3.23

AERO SHORT WAVE RECEIVING COILS



Type LWT 125

No. 1108. Three coils and base mounting with variable primary covering 15 to 130 meters when used with .00014 to .00025 condenser. Wt., 2 lbs.
List $12.50. NET..... **$7.35**

INDIVIDUAL SHORT WAVE COILS

No. 2731. Int-1. 15 to 33.5 meters.
No. 2732. Int-2. 31.5 to 68 meters.
No. 2733. Int-3 57 to 130 meters. List each $4.00 NET.... **$2.35**
No. 2734. LWT mounting base with primary. List $3.00. NET... **1.76**

International Short Wave

No. 2693. LWT-12. A kit of three interchangeable short wave coils with base and space wound primary covering 16.5 to 89.5 meters. Weight 2 lbs. List $12.50. NET..... **$7.35**

No. 2694. LWT-11. A kit of three short wave coils and plug-in base without primary for use after a shield grid tube. Range 16.5 to 89.5 meters. Weight 2 lbs. List $11.50. NET..... **$6.76**

No. 2695. LWT-10 Coil Kit. Short wave plug-in coils same as LWT-11 above but without base. Weight 2 lbs. List $10.50. NET..... **$6.17**

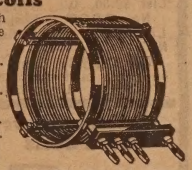
SINGLE INTERNATIONAL COILS

No. 2735. Int-101. 16.5 to 32 meters.
No. 2736. Int-102. 26.2 to 48.7 meters.
No. 2737. Int-103. 46.7 to 89.5 meters
No. 2738. Int-104. 87 to 105 meters. List each $4.00. NET... **$2.35**
No. 2739. Base with space wound primary. List $3.00. NET..... **$1.76**
No. 2740. Base without primary. List $1.50. NET..... **88c**

Aero Transmitting Chokes

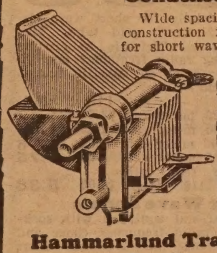
No. 1107. Type C 248. For transmitting circuits using less than 50 watt tubes.
No. 2741. Type C 249. For larger transmitter up to 500 watts.
No. 1106. Type C 60. For short wave receiving circuits. List each $1.50. NET EACH..... **88c**

Short Wave Interchangeable Coils



Plug-in coils which fit the Aero type LWT base.
No. 1119. Int-0. 13 to 29 meters
No. 1117. Int-4. 125 to 250 meters.
No. 1118. Int-5. 250 to 550 meters.
List each $4 NET EACH **2.35**

Hammarlund Short Wave Condensers



Wide spacing, sturdy efficient construction insure lowest losses for short wave operation. Wt., 1 lb.
No. 3185. .0001 List $4.75 YOUR PRICE **$2.79**
No. 3186. .00014 List $4.75 YOUR PRICE **$2.79**
No. 3187. .00025 List $5.00 YOUR PRICE **$2.94**

Hammarlund Transmitting Condensers

Tested to withstand very high potentials. Low losses and highest quality. Hammarlund Transmitting Condensers are adapted where ordinary condensers are impossible. Wt., 2 lbs.
No. 3188. .0001 List, $6.00. YOUR PRICE.... **$3.53**
No. 3189. .0002 List, $7.00. YOUR PRICE.... **4.12**
No. 3190. .0004. List, $10.00. YOUR PRICE... **5.88**

Hammarlund Midget Condensers

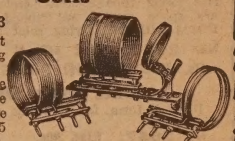
No. 3094. 16-mfd. Trimmer. List $1.50 NET **88c**
No. 3096. 50-mfd. Antenna series. List $1.75. NET..... **$1.03**
No. 3191. 100-mfd. Regeneration. List $2.25. NET..... **1.32**
No. 3192. 70-mfd. Equalizor variable grid condenser. List 60c. NET **35c**

HAMMARLUND CHOKES

No. 2707. 85 Mili-Henry. List $2.00. YOUR PRICE..... **$1.18**
No. 2708. 250 Mili-Henry. List $2.25. YOUR PRICE..... **1.32**

Hammarlund Short Wave Coils

Type SWT-3



Low loss short wave receiving inductances. Kit of three short wave coils with base covers range 15 to 107 meters.
No. 2705. List $10.00. NET **$5.88**

Individual Coils and Base

No. 2709. Base only. List $3.00. NET..... **$1.76**
No. 2710. 15-30 meter coil. List $2.50. NET..... **1.47**
No. 2711. 27-59 meter coil. List $2.50. NET..... **1.47**
No. 2712. 52-107 meter coil. List $2.50. NET..... **1.47**
No. 2713. 100-125 meter coil. List $3.00. NET..... **1.76**

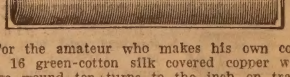
Plug In Short Wave Inductors

Correspond to the secondary windings of tuning coils above. For use in sets employing stage of R. F. or shield grid stage.
No. 2706. Set of three inductors with base. Range 17-107 meters. List $6.00. YOUR PRICE.... **$3.53**

Inductance Coils and Base Only

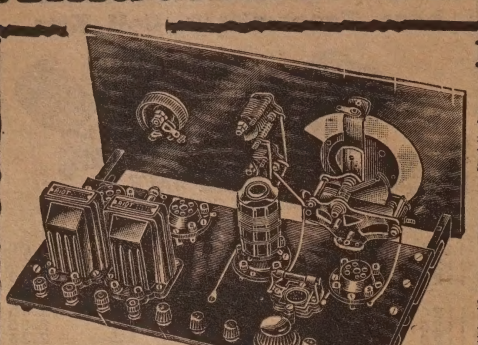
No. 2714. Base only. List $1.00. NET..... **59c**
No. 2715. 15-30 meter inductor. List $1.50. NET..... **88c**
No. 2716. 27-59 meter inductor. List $1.50. NET..... **88c**
No. 2717. 52-107 meter inductor. List $2.00. NET..... **$1.18**
No. 2718. 100-215 meter inductor. List $2.00. NET..... **1.18**

Hammarlund Space Wound Coils



For the amateur who makes his own coils. No. 16 green-cotton silk covered copper wire, space wound ten turns to the inch on transparent celluloid composition tube 3 inches in diameter, wall .005 inch thick. Exceedingly strong and rugged. Maximum length in one piece 20 inches.
No. 2719. List Per Inch, 40c. NET..... **24c**

Amateurs' Short Wave Sectio



Pilot Wasp Short Wave Kit

17 to 500 Meters

Amazing distance records are obtained on short waves. Many of the powerful broadcasting stations transmit their programs on short waves simultaneously with their regular broadcast transmission. Often stations far distant which are out of the range of the longer wave receivers can easily be picked up on the shorter wave lengths. Many report receiving European and other foreign stations with one to three tube short wave receivers.

Simple Tuning

Has the new Pilot illuminated control and a set of five short wave plug in coils covering ranges from 17 to 30, 30 to 52, 48 to 105, 73 to 202, 200 to 500 meters. Each coil is equipped with an identifying color ring.

Simple to Assemble and Wire

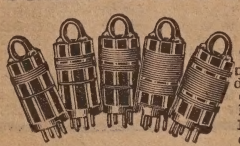
Complete List of Parts:

No. 8779. Total List, $33.50. YOUR PRICE

One Pilot 5 pl. midget cond., 10 binding posts, 2 Pilot 23 pl. midget cond., 2 1-inch brackets, 1 .002 fixed cond., 1 R. F. choke, 1 front panel, 1 sub panel, 4 sockets, 2 Pilot audio trans., 1 .1 megohm, and 1 10 megohm grid leak, 1 10 ohm rheostat, 1 Pilot illuminated dial, 1 8 pl. cond., 1 set short wave plug in coils, 2 pair clips, screws, wire, nuts and essential hardware. Wt. 15 lbs.

$19.70

Short Wave Plug-in Coils



Set of five Short wave plug-in inductances. Covers wave length range 15 to 500 meters. Space wound. Five prongs on base of coil. Fits any type UY five prong tube socket. Lowest losses. Coils are space wound on ribbed bakelite forms. Fitted with identifying color rings. Wt. 1 lb.

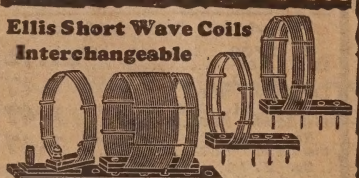
No. 2656. List set of five coils, $8.50. YOUR PRICE.... **$4.85**

Coil Form Only

Ribbed form for winding space wound inductances.

No. 2657. List, 90c. YOUR PRICE..... **53c**

Ellis Short Wave Coils Interchangeable



Precision made short wave interchangeable inductances. Set of three coils with mounting base covers range 15 to 120 meters.

Incorporates a unique feature in that the primary coil is adjustable in a slide and swivel making it possible to eliminate dead spots in tuning. The regenerative coils are spaced to eliminate detuning of the secondary. Wt. 1 lb.

No. 2678. Complete set with base. List $8.50. Your Price..... **$4.17**

Frost Radio Microphones

Designed for amateur transmission and general apparatus work. Are of the solid back carbon type and will faithfully reproduce voice and musical frequencies over the full range. Frost Microphones are nationally known for their excellent performance and superior design.

No. 2566. Hand type as illustrated, complete with cord. List $6.00. Wt., 3 lbs. NET . **$3.53**

No. 2567. Desk microphone with cord. List $8.75. Wt. 5 lbs. NET **$5.14**

No. 2568. Pony Arm type for mounting on panel of transmitter or wall. Wt. 2 lbs. List $4.50. NET... **$2.65**

National Short Wave Screen Grid Coils

Designed especially for short wave circuits using 222 screen grid tube. May be employed very efficiently in circuits not incorporating radio frequency amplification. Space wound on bakelite tubing. Wt. 8 oz. each.

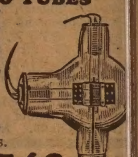
No.		List	Net
2742	15 - 25 meter coil	$2.50	$1.47
2743	24 - 40 meter coil	2.50	1.47
2744	37.5- 65 meter coil	3.00	1.76
2745	64 -115 meter coil	3.00	1.76
2746	Set of four coils 15 to 115 meters	10.00	5.88

Short Wave Panels

Panels drilled and equipped with sockets, grid leak, radio frequency choke and equalizer mountings for National Short Wave Kit. Wt. 3 lbs.

No. 2749. List $7.25. YOUR PRICE **$4.26**

TRANSMITTING TUBES



UX 852. For amateur use. Normal output 75 watts. Standard UX base on filament end. Plate and grid leads through top and side of the tube. Filament 10 volts, 3.25 amps. Plate 2000 volts, 75 M. A. Safe power dissipation, 100 watts. Shipping wt. 2 lbs.

No. 280. List $32.50. NET..... **$27.63**

UX 250. New 25 watt tube. Ideal f amateur transmission. Filament 7½ volt plate 450 to 500 volts, 55 M. A. Wt. 1 l

No. 281. List $12.00. NET **$8.2**

852 TUBE HOLDER

Holds the tube absolutely rigid. Connections for grid and plate leads. Provision f mounting grid and plate condensers. Sho direct leads. Wt. 10 oz.

No. 282. List $2.50. NET **$1.7**

National Precision Velvet Vernier Dial

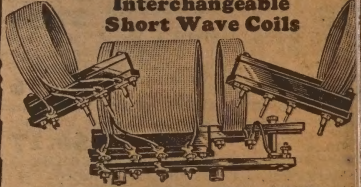
Precision velvet vernier dial designed for laboratory apparatus where it is necessary to calibrate readings to one-tenth of a dial scale division. Ideal for the amateur who uses precise short wave apparatus.

Scales are of solid German silver engrave in black. Vernier reduction 5 to 1 ratio Wt. 10 oz.

No. 1922. 100-0.
No. 1923. 150-0.
No. 1924. 200-0.

List each with vernier scale, $6.50. YOUR PRICE **$3.82**

Interchangeable Short Wave Coils



A set of three highly efficient low loss interchangeable inductances complete with base. Covers wave length range 20 to 250 meters. Tunes with one .00014 or .00017 and one .00035 condenser.

Of space wound construction, the short wave inductances insure very efficient operation at the high frequencies without losses and extremely low D. C. resistance. Adjustable primary. Wt. 1 lb.

No. 1158. Complete set of three coils with base. YOUR PRICE **$3.50**

BROADCAST COIL

Designed to be interchangeable with short wave coil base. Coils wave length range 250 to 550 meters. Wt. 6 oz.

No. 1159. YOUR PRICE **$1.15**

National Vernier Dial, Type E

Embodies a mechanism that is smooth in operation and insures a positive drive at all times. Very easy to install on any panel and with any condenser. Wt. 10 oz.

No. 1925. Scale 200-0. List $2.75. NET **$1.62**

No. 1926. Illuminator for type E Dial. List 50c. NET **29c**

NATIONAL RF CHOKE

Designed to plug in standard grid leak mounting. Efficient over wide range of frequencies as low as 15 meters. Inductance value 90 MH. D. C. resistance 350 ohms. Wt. 4 oz.

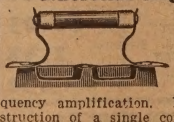
No. 2747. List without mounting, $1.25. NET **73c**

National Short Wave SLF Equicycle Condenser

Designed especially for short wave receivers. SLF curve 270° rotation. Girder frame. Double spacing. Wt. 1 lb.

No.		List	NET
3195.	.0001	$4.50	$2.65
3196.	.000125	4.50	2.65
3197.	.00015	4.00	2.35
3198.	.00025	4.50	2.65

National High Frequency Impedance

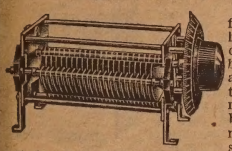


Designed for use in the grid circuit of UX 222 screen grid tube when employed for short wave radio frequency amplification. Makes possible the construction of a single control short wave receiver of high efficiency. Wt. 6 oz.

No. 2748. List without mounting, $1.00. NET **59c**

Amateurs' Shortwave Section

National Transmitting Condensers



One of the finest types of high voltage condensers that can be made. These are double or triple spaced models, ruggedly built of aluminum plates and securely pigtailed. Supplied with National Velvet Vernier dial and pointer and completely mounted for quick installation. Ship. wt., 3½ lbs.

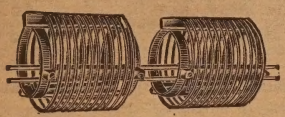
No. 3023. .0001 mf.-6000 volts. List, $12.50. NET..... **$7.35**

No. 3024. .00015 mf.-3000 volts. List $7.50. NET..... **$4.41**

No. 3025. .00023 mf.-3000 volts. List, $11.50. NET..... **$6.76**

No. 3026. .00045 mf.-3000 volts. List, $16.50. NET..... **$9.70**

R.E.L. Transmitting Inductances



The finest of low-loss construction. Pyrex glass insulation between turns; flatwise wound nickel-plated copper strip. Suitable for anything from a receiving tube transmitter to a one kilowatt set. Made in two sizes, type L, 5 inches in diameter, for 40, 80 and 150 meter bands; type S, 2¾ inches in diameter for 20 meter band and lower. Single units have three positive contact clips. Double units have primary and secondary with two glass coupling rods and six clips. Wt., 8 oz.

No. 2757. Type L, single unit..... **$3.85**

No. 2758. Type S, single unit..... **3.85**

No. 2759. Type L, double unit..... **7.70**

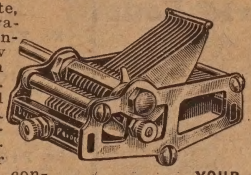
No. 2760. Type S, double unit..... **7.70**

Code Practice Set

Set consists of a key and buzzer mounted on a polished wood base. Buzzer reproduces accurately the high pitched sounds of code stations. Connect a dry battery to the binding posts on the set by means of a short piece of wire, press the key and a buzzing sound will be produced. In a very short time your ear will become accustomed to the various combinations of dots and dashes representing different letters and numerals. Chart included with each set. Base size, 7 inches long by 4¾ inches wide. Wt., 4 lbs.

No. 2569. Each..... **$2.89**

De Jur Shortwave

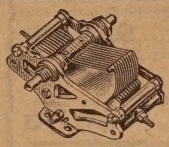


Accurate, matched, variable condensers. Low minimum capacity. Hardened bearings. A highly efficient condenser for short wave construction.

	Capacity	List	YOUR PRICE
No. 3077.	.00014	$3.00	$1.76
No. 3078.	.00025	3.00	1.76

Weight, 1 lb.

Pilot Shortwave

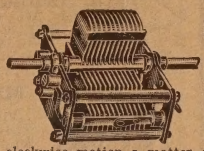


Removable shaft condensers. Highly efficient, accurately built variable condensers. Recommended for short wave receivers. Wt., 1 lb.

No. 3168. .00016 List, $1.90 NET **$1.12**

No. 3169. .00025 List, 2.00 NET **1.18**

Amsco Duo Space



New double space condensers. Precision tuning units for short wave receiver. Wide spacing insures precision accuracy. Exceedingly small minimum capacity. Shafts extend from both ends making clockwise or counter clockwise motion a matter of choice. Wt., 1 lb.

No. 3174. .00014. List, $4.00. NET. **$2.35**

No. 3175. .00025. List, 4.25. NET. **2.50**

Amsco SLF Shortwave

The .00014 S.L.F. condenser designed exclusively for short wave receivers. Both rotor and stator insulated from frame. Connections made through insulated pig tails. Possible to utilize this condenser in completely shielded circuits employing shield grid tubes. S.L.F. tuning characteristic. Wt., 2 lbs.

No. 3182. .00014. List, $3.50. NET..... **$2.06**

Amsco .00025 S.L.F.

Rotor is not insulated from frame as with the .00014. This is unnecessary with this capacity which is used for regeneration control. Wt., 2 lbs.

No. 3183. .00025. List, $2.75. NET..... **$1.62**

Standard Radio Key

A heavy type of Radio Key designed for larger capacity radio work. The arm, base, and supporting posts are made of heavy cast brass. The whole key is of rugged construction, so it will stand up well under rough usage. The contact points are ⅜ in. diameter, which assists materially in the dissipation of the heat produced. They are made of a metal which will resist arcing. Wt., 1 lb.

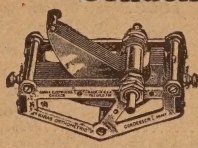
No. 2570. EACH..... **$2.69**

Air King Shortwave Plug-In Coils

The new Air King Short Wave Kit consists of three plug-in coils ranging from 15 to 130 meters (when tuned with a .00014 condenser), and a plug-in base with variable primary. Each coil accurately space-wound on a bakelite squirrel cage form, with ribs threaded to lock each turn in place. Perfect connection assured by double contact between coil prongs and the jacks in the base. Wt., 12 oz.

No. 2663. List, $12.50. YOUR PRICE..... **$6.12**

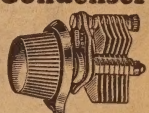
Karas Orthometric Short Wave Condensers



The plates are shaped of heavy lacquered brass, securely soldered and give a straight-line-frequency curve. The rotor is pigtailed to the frame and binding post through an insulated spring-bronze coil, insuring noiseless action. The insulation is efficient and the condenser resistance is negligible.

	Wt., 2 lbs.	Plates	mmf.	
No. 1039.		5	100	$3.53
No. 1038.		7	140	3.67
No. 1037.		11	250	3.81

Pilot Midget Condenser



Exceptionally efficient low loss midget variable condensers adaptable for short wave receivers as series antenna control and regenerative control. Wt., 8 oz.

No.	Cap.	List	NET
3151.	.000015	$0.90	53c
3152.	.000025	.90	53c
3153.	.00005	.95	56c
3154.	.0001	1.40	82c

Radio Frequency Choke

A characteristically efficient choke coil for the short wave sets. Acurate and dependable. Built for durability and results. Wt., 8 oz.

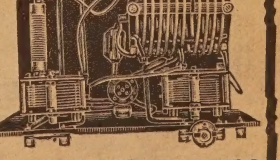
No. 2658. List, 90c. YOUR PRICE..... **53c**

Short Wave Plug-In Coils

A set of four coils which make possible reception on all wave lengths between 16 and 210 meters. Tuned with .00015 condensers. The coils are wound on moulded bakelite forms, with a standard UX type tube socket as base. The winding consists of the proper number of turns of spaced enameled copper wire. Low-loss construction. Wt., 8 oz.

No. 2676. List, $3.50. YOUR PRICE..... **$2.06**

R.E.L. Shortwave Transmitter

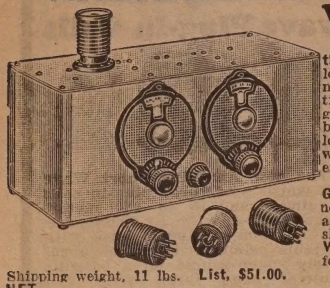


Here is the ideal beginner's short wave telegraph transmitting kit. It is made up of very carefully selected parts specified by the short wave authorities in Q S T. Great distances can be covered on low power with this efficient transmitter. Any type tube may be used—199, 201A, 171, 112, or 210. May be used on any power supply—B batteries, B Eliminator, Motor generator or AC from a transformer as long as the voltage is correct for the tube. May be used on any wave length from 15 to 100 meters. Panel size, 7x14 inches. Depth, 9 inches. Shipping wt., 15 lbs.

No. 2571. No. 175 Transmitter. List, $30.00. NET..... **$22.50**

Amateurs Shortwave Section

Silver-Marshall Round-the-World Four



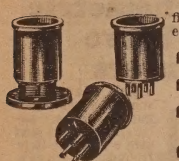
17 to 200 meters. The thrill band. English, Colonial, Dutch, French, German and other foreign stations and re-broadcast programs on the low wave bands. Here you will find long distance reception easy without the great interference of the broadcast band.

No. 8897. SCREEN GRID. One dial tuning—new Clough high gain audio amplification. Complete shielding. 730 "Round the World Four." Complete four tube short wave kit. Shipping weight, 11 lbs. List, $51.00. NET **$29.99**

No. 8898. 731 Two Tube Adapter. Converts any set to short wave. Shipping weight, 8 lbs. List, $36.00. NET **$21.17**

No. 1060. 732 Round the World Essential Kit. Shipping weight, 3 lbs. List, $16.50. NET **$9.70**

SM Short Wave Midget Plug in Coils



Short wave, space wound, low loss coils will fit any five prong Y type socket. Weight, 8 oz. each.

No.		List	NET
1001.	130-P Coil, form not threaded	$0.65	$0.38
1002.	130-T Coil, form threaded	.65	.38
1003.	131-T Coil, 17.4 to 32.1 meters, for .00014 condensers	1.25	.74
1004.	131-U Coil, 31 to 58 meters, for .00014 condensers	1.25	.74
1005.	131-V Coil, 57 to 110 meters for .00014 condensers	1.25	.74
1006.	131-W Coil, 104 to 204 meters	1.25	.74

Thordarson Transmitting Equipment

PLATE SUPPLY TRANSFORMERS

Steel case crackle finish compound filled.

No. 7101. T2385 secondary 550 v. and 750 v. each side of center tap. Capacity 100 V.A. 5x5¼x6 in. high. Wt., 9 lbs. List, $16.00. NET..... **$9.41**

No. 7102. T2387 secondary 100 v. and 150 v. each side of center tap. Capacity 300 V.A. 7½x5¾x7½ in. high. Wt., 20 lbs. List, $22.00. NET..... **$12.94**

No. 7103. T2388 secondary 1500 v. and 2000 v. each side of center tap. Capacity 500 V.A. 7½x6¾x8½ in. high. Wt., 30 lbs. List, $30.00. NET..... **$17.64**

No. 7104. T2389 1500 v. and 2000 v. each side of center tap. Capacity 1000 V.A. 7½x7x9½ in. high. Wt., 40 lbs. List, $40.00. NET..... **$23.52**

Filament Transformers

Completely shielded

No. 7047. T2180 secondary 5 v. center tapped. Cap., 15 V.A. 3⅜x2¼x3¾ in. high. Wt., 3 lbs. List, $5.00. NET..... **$2.94**

No. 7048. T2230 secondary 7½ v. center tapped. Cap., 35 V.A. 3½x3x3¾ in. high. Wt., 4 lbs. List, $7.50. NET..... **$4.41**

No. 7105. T2382 secondary 12 v. center tapped. Cap., 80 V.A. 3½x4½x4 in. high. Wt., 5 lbs. List, $10.00. NET..... **$5.88**

No. 7106. T2383 12 v. center tapped. Cap., 175 V.A., 4½x5x6 in. high. Wt., 12 lbs. List, $15.00. NET..... **$8.82**

No. 7107. T2370 secondary 1.25. Cap., 20 V.A. 3⅜x2½x3¼ in. high. Wt., 3 lbs. List, $5.00. NET..... **$2.94**

No. 7045. T2445 secondary No. 1; 1½ v.—12 V.A.; secondary No. 2: 2.5 v. center tap—10 V.A.; secondary No. 3: 5 v. center tap—5 V.A. 2¾x5¾x4¾ in. high. Wt., 6 lbs. List, $10.00. NET..... **$5.88**

Filter and Plate Reactors

No. 2029. R196 30 Henry 80 M.A. 1000 v. insulation. Shielded 2½x2½x3 in. high. Wt., 2 lbs. List, $5.00. NET..... **$2.94**

No. 7109. T2353 6 Henry 150 M.A. 3000 v. insulation. Open frame. 3x3¼x3¾ in. high. Wt., 3 lbs. List, $7.50. NET..... **$4.41**

No. 7110. T2071 30 Henry 150 M.A. 3000 v insulation. Open frame. 2¾x3½x6 in. high. Wt., 6 lbs. List, $16.00. NET..... **$9.41**

No. 7111. T2027 30 Henry 300 M.A. 3000 v insulation. Open frame. 5x3½x8 in. high. Wt, 15 lbs. List, $22.00. NET..... **$12.94**

No. 7112. T2073 30 Henry 50 M.A. 3000 v. insulation. Open frame. 4½x5½x9½ in. high. Wt., 25 lbs. List, $30.00. NET..... **$17.64**

Microphone Coupling Transformer

T1608. Designed to couple Kellogg or Western Electric broadcast microphone to amplifier. 2½x2½x3 in. Wt., 3 lbs.

No. 7113. List, $18.00. NET.. **$10.58**

T2357. Coupling transformer for single button microphone. 2½x2½x3 in. Wt., 3 lbs.

No. 7114. List, $5.00. NET... **$2.94**

Jewell Transmitting Trio

The Jewell Trio of transmitting instruments types 54, 64 and 74 are exceedingly popular with amateurs for short wave work. The body of the instruments are 3 in. in diameter—3¾ in. diameter of flange.

PATTERN 54 D.C.

Direct current instruments supplied with external resistors.

No.	Range	List	NET
2572.	0-8 volt	$ 7.50	$5.52
2573.	0-15 volt	7.50	5.52
2574.	0-50 volt	7.50	5.52
2575.	0-150 volt	9.50	6.99
2576.	0-500 volt	15.50	11.40
2577.	0-750 volt	19.00	13.96
2578.	0-1000 volt	22.50	16.54
2579.	0-1500 volt	28.50	20.95
2580.	0-2000 volt	34.50	25.36
2581.	0-1 amp.	7.50	5.52
2582.	0-3 amp.	7.50	5.52
2583.	0-10 amp.	7.50	5.52
2584.	0-10 M. A.	7.50	5.52
2585.	0-25 M. A.	7.50	5.52
2586.	0-50 M. A.	7.50	5.52
2587.	0-100 M. A.	7.50	5.52
2588.	0-300 M. A.	7.50	5.52
2589.	0-500 M. A.	7.50	5.52
2590.	50-0-50 Galvanometer	9.00	6.61

Radiation Ammeters Pat. 64

Thermo-couple radio frequency ammeters. Extremely accurate. Losses exceedingly low.

No. 2591. 0-.5 Amperes.
No. 2592. 0-1 Ampere.
No. 2593. 0-1.5 Amperes.
No. 2594. 0-3 Amperes.
No. 2595. 0-5 Amperes.
List, each, $12.00. NET, EACH **$8.82**

Pattern 74A.C. Filament Meters

Rugged movement. Widely used for power tube filament control.

No. 2596. 0-10 volts
No. 2597. 0-3 amps } for 5 watt tubes
No. 2598. 0-15 volts
No. 2599. 0-15 amps. } for 50 watt tubes
List, each, $7.50. NET, EACH **$5.52**

Lifetime B-T Condensers

STRAIGHT LINE WAVE LENGTH			
1162.	.00015	$4.25	$2.50
1163.	.00025	4.50	2.65
1164.	.00035	4.75	2.80
1165.	.0005	5.00	2.96
STRAIGHT LINE FREQUENCY			
1166.	.00025	$5.50	$3.24
1167.	.00035	5.75	3.37
1168.	.0005	6.00	3.52

Wt., 1 lb.

Multiple Condenser

Double condenser unit specified in the Counterphase. Consists of 2 .00035 units mounted on one shaft. Has trimmer compensators on each section. Wt., 2 lbs.

No. 1169. Double unit. List, $9.50. NET..... **$5.58**

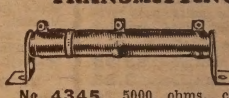
Improved B-T Short Wave

New B-T Short Wave essential kit. Uses a new method of antenna coupling, extremely fine adjustment. Four interchangeable coils cover from 15 to 200 meters. Tunes with one .00015 or .000175 and one .00025 condenser.

No. 7017. List, $11.00. YOUR PRICE..... **$6.47**

No. 7018. Set of plug-in coils to cover broadcast wave lengths. List, $5.50. YOUR PRICE... **$3.23**

TRANSMITTING GRID LEAKS



Wire wound upon a refractory tube, coated with fused vitreous enamel. Wt., 1 lb.

No. 4345. 5000 ohms, center tapped. Up to 50 watts input. List, $2.00. NET..... **$1.18**

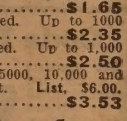
No. 4346. 5000 ohms, center tapped. Up to 1000 watts input. List, $2.80. NET..... **$1.65**

No. 4347. 10,000 ohms, center tapped. Up to 1000 watts input. List, $4.00. NET..... **$2.35**

No. 4348. 20,000 ohms, center tapped. Up to 1,000 watts input. List $4.25. NET..... **$2.50**

No. 4349. 15,000 ohms, tapped at 5000, 10,000 and 15,000 ohms. Up to 1000 watts input. List, $6.00. NET **$3.53**

Small Standoff Insulators



Suitable for supporting wiring and instruments in transmitters or lead-ins. Glazed porcelain. 1¾ in. long, 1⅛ in. high. Shipping weight, 8 oz.

No. 6024. List, 20c. NET... **12c**

PYREX INSULATORS

No. 6025. Does not absorb moisture. Mechanically strong. Length, 3¼ in. Leakage path, 6 in. Strength, 450 lbs. Weight, 8 oz. List, 45c. NET..... **31c**

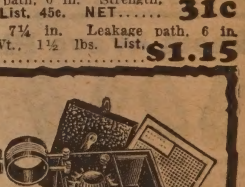
No. 6026. Length, 7¼ in. Leakage path, 6 in. Strength, 1,000 lbs. Wt., 1½ lbs. List, $1.65. NET..... **$1.15**

R.E.L. Type A Wavemeter

Range 17—550 Meters

Particularly adapted for short wave receiving and sending stations and laboratory work. Enables you to check up on trasmitting frequency and keep to your proper wave length.

A very sensitive resonance indicating device is supplied with this wavemeter. Highly accurate. Totally shielded—not affected by outside influences. Retains accuracy permanently. Easily read, accurate curve charts are included.



$16.50

No. 2761. List, $22.00. NET.....

RADIO BOOKS AND ENCYCLOPEDIAS

1001 Radio Questions Answered

Every known Radio Hook-up and circuit is described in detail in this recently published volume. Practically all of the recent circuits and developments are fully covered, in a masterly way, and in such manner that the novice will experience no trouble in understanding the work. It is profusely illustrated with clearly printed diagrams, and full details of each circuit described. Wt., 1 lb.

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Radio Encyclopedia

A complete radio reference work. Not a dictionary—an Encyclopedia covering every phase of radio transmission and reception, and allied subjects. Authentic. Contains 549 photographs, drawings, and diagrams. 168 pages describing all modern and old reliable circuits. Thoroughly explains all radio apparatus. Any one can understand it. Explains Radio from A to Z. Finely bound in beautiful gold stamped covers. Wt., 2 lbs.

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Television

Big book of detailed information on Television. Presents latest information, data, scientific facts about this new modern up-to-the-minute innovation in radio. Describes Television kit construction. Published by Consrad. This is the latest at a real price. Fully illustrated. Wt., 10 oz.

No. 4312

List **25c**

Net **17c**

Citizen's Radio Call Book

A complete review of new Radio Receivers and Circuits, with full details of each, giving lists, parts used, constructional data, and diagrams. Also contains complete list of Radio Stations with locations, wave lengths, etc. Wt., 1 lb.

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150 Radio Hook-Ups

Gives diagrams, details, and hook-ups of all efficient circuits. Consists of 56 pages profusely illustrated. Written in a clear, concise manner. A fast seller. Wt., 10 oz.

No. 4306. Retail, 25c. YOUR PRICE **17c**

Radio News Superheterodyne Book

Fully describes the interesting Superheterodyne Theory, in non-technical language. Consists of 48 interesting illustrated pages; giving constructional details and diagrams. Highly recommended. Wt., 10 oz.

No. 4301. Retail, 50c. YOUR PRICE **32c**

The Latest Radio Review and Listener's Guide

Offers a completely revised and up-to-date list of all Radio Broadcasting Stations, coupled with a review of all the more important radio circuits. Consists of 200 pages of valuable information and data with over 300 illustrations. Wt., 1 lb.

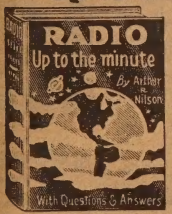
No. 4304. Retail, 50c. YOUR PRICE.... **35c**

The Radio Trouble Finder

It is easy to locate troubles with this handy book. Trouble shooting and repair work is thoroughly covered with many practical short-cuts. Covers every detail of modern radio receivers. 47 illustrated pages. Every dealer and set owner should have a copy. Wt. 6 oz.

No. 4307. Retail, 25c. YOUR PRICE **17c**

RADIO Up-to-the-Minute



A new revised edition of this famous volume. Describes fully the many new startling triumphs of radio research work. Explains in detail, with illustrations and diagrams, how to build all kinds of receiving sets. Page size measures 5x7½ in. Substantially bound in cloth covers. 402 pages profusely illustrated. Shpg. wt., 1¼ lbs.

No. 4317. Retail, $1.25. YOUR PRICE **93c**

How to Build a Modern Loud Speaker

Latest data on modern speakers. A complete treatise. Wt., 10 oz.

No. 4316. List, 25c. NET **17c**

RADIO HAND BOOK

Explains all recent developments in radio. 112 pages chock full of diagrams, blue prints, and practical radio information. Wt., 1½ lb.

No. 4309. Retail, 50c. YOUR PRICE.. **33c**

DRAKE Radio Encyclopedia

A complete, correct, and non-technical work. Comprising over 1500 articles alphabetically arranged, and 1000 definitions, terms, abbreviations, and symbols. Covers every type of radio in detail. Full instructions, as to construction, operation and repair are given. Measures 6½x9 in. 870 pages, and illustrated with 950 illustrations and diagrams, all made especially for this book. Contains 125 tables; graphic curves, and simplified formulas of useful information. Wt., 5 lbs.

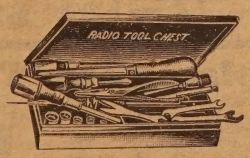
No. 4318. Retail, $6.00 YOUR PRICE..... **$4.41**

Baffle Boards

Designed for use with Dynamic and Magnetic cone reproducers, so as to prevent air waves on both sides of the cone from alternately neutralizing and re-inforcing each other, and thus interfering with efficient operation. Will accommodate cones with diameters of 8 in. Wt., 2 to 5 lbs.

No.	Size	YOUR PRICE
4670.	18x18	$1.05
4671.	21x21	$1.40
4672.	24x24	$1.75
4673.	30x30	$1.95

TOOL CHEST



Contains 10 practical tools, designed by men who knew what was exactly required for radio work. Contents consist of 3 and 5 in. screw drivers, scriber, reamer, counter-sink, pliers, center-punch, socket wrench set for hexagon and knurled nuts; and 3 wrenches for hexagon nuts, ranging from ¼ to ½ in. Packed in attractive dark blue and gold cardboard case. Wt., 2 lb.

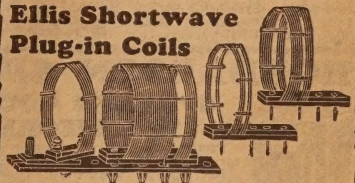
No. 2474. List Price, $3.00. YOUR PRICE **$1.76**

Tobe Light Socket Aerial

A four purpose light socket aerial. Saves cost and trouble of outside aerial, lightning arrester or ground, while permitting use of electrical outlet. Minimizes static and sharpens tuning. Wt., 8 oz.

No. 4200. List, $2.00. YOUR PRICE..... **$1.18**

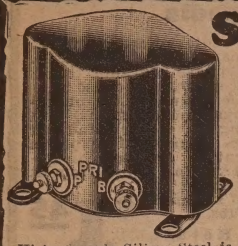
Ellis Shortwave Plug-in Coils



Precision made coils to meet the requirements of short wave reception. Sold in sets for 20, 40 and 80 meter band with a mounting base. Covers 15 to 120 meters with .00014 condenser. Designed so that the primary coil is adjustable in a slide and swivel, assuring the elimination of dead spots in tuning. Wt., 2 lbs.

No. 2678. List, $8.50. YOUR PRICE.. **$4.95**

QUALITY AUDIO TRANSFORMERS



SHIELDED SPECIAL Audio Transformers

To meet the popular demand for a quality Audio Transformer at a popular price, the Shielded Special is offered. It is built to our exacting specifications, in one of the country's largest transformer plants. You will marvel at their wonderful tone and quality, and at their attractive appearance which adds a finishing touch to any sub-panel on which they may be mounted. They offer dependable quality at a moderate price, and we are glad to recommend them to our dealers as an unusual value.

Genuine Silicon Steel Core

Highest grade Silicon Steel is used in the manufacture of the Shielded Special. The coils are thoroughly insulated enameled wire, vacuum impregnated, assuring long life and freedom from shorts. The attractively finished case is approximately 2⅜ in. square. Finished in a glossy black enamel, with nickel trimmings. Nothing has been overlooked in the manufacture of the Shielded Special to make it one of the most unusual transformer values on the market today. Can be used in all standard kits, and is highly recommended as a replacement unit for use in repair work. Wt., 1½ lbs.

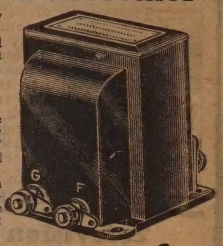
Your Price Any Ratio **89c**

2 to 1 Ratio
No. 2102. A low ratio transformer for use where more than two stages of audio are employed. **Retail $4.00.**

3 to 1 Ratio
No. 2100. An all purpose ratio for use in all transformer coupled audio systems. **Retail, $4.00.**

6 to 1 Ratio
No. 2101. A high ratio transformer for use in the first stage of transformer coupled audio systems. **Retail, $4.00.**

Thordarson R-300 Audio Transformer



Thordarson's many years of transformer construction find their culmination in the new type R-300 Audio Transformers. Their excellent design, oversize construction make them adaptable for use in all types of transformer coupled audio systems, where maximum volume plus unusual tone quality is desired. Wt., 3 lbs.

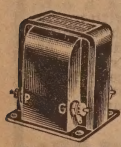
No. 1959. Retail $8.00.
YOUR PRICE.... $4.70

Thordarson Audio Transformers

These are the famous Thordarson Audio Units used as standard equipment in many of the country's leading receivers. Their excellent characteristics have made them a favorite with both set builders and manufacturers alike. Wt., 2 lbs.

		Retail	YOUR PRICE
No. 2108.	3½ to 1 ratio	$4.00	$2.35
No. 2109.	6 to 1 ratio	4.50	2.65
No. 2110.	2 to 1 ratio	5.00	2.94

All American Transformers



Nationally known for their efficiency. Fully shielded. **The standard for years.** Fully electrically shielded. Moisture proof. Wt. 1 lb.

No. 2002. 3-1 Ratio.
List, $4.50.
YOUR PRICE..... $2.65

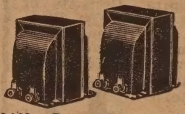
Rauland Lyric

No. 2004. Wt. 2 lbs.
List, $7.50. YOUR PRICE.. $4.41

Thordarson Push Pull Audio Transformers

Input

A 1 to 1 ratio input unit for use in push-pull amplification. Provides exceedingly flat amplification curve. Wt., 3 lbs.



No. 1961. Type T-2408. **Retail $8.00. YOUR PRICE..... $4.70**

No. 1962. Type T-2922 input unit have 3 to 1 ratio. For use with 210 and 250 type power tubes. **Retail $12.00.**
YOUR PRICE $7.06

Push Pull Output

A speaker coupling output transformer to couple output of 2 type 250 power tubes to a Dynamic Speaker. Wt., 3¼ lbs.

No. 1963. Type T-2903. **Retail $12.00. YOUR PRICE ... $7.06**

No. 1964. Type T-2629. Couples 2-210 tubes to Dynamic Speaker. **Retail $10.00 YOUR PRICE..... $5.88**

No. 1965. Type T-2420 Output Choke for coupling 2 type 210 tubes into a high impedance speaker. **Retail $8.00.**
YOUR PRICE $4.70

Push Pull Interstage

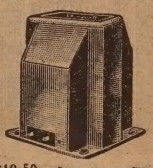
No. 1966. Type T-2973 to couple 2 stages of push-pull amplification. Ideal for power amplifiers. Prevents tube distortion. Ideal for 250 power tubes. Wt., 3½ lbs. **Retail, $12.00.**
YOUR PRICE..... $7.06

Thordarson New "Z" Couplers

For use with the new Screen Grid Tubes. Has two exceedingly high impedance coils. One matches plate impedance of the Screen Grid Tube; the other is used in the grid circuit of the same tubes. Also provides a coupling medium for screen grid audio amplification. One stage of Z coupled screen grid audio provides an amplification of from 40 to 50 times the input voltage. Provides remarkable tone quality. Measures 3½x3½x4⅞ in. Wt. each, 3¾ lbs.

No. 1960. Retail, $12.00.
YOUR PRICE..... $7.06

Samson Famous Helical Wound Transformers



No. 2005. 6 to 1 Ratio.
No. 2006. 3 to 1 Ratio.
Retail $5.00. YOUR PRICE $2.94

No. 2007. Symphonic. **Retail $10.00. YOUR PRICE $5.88**

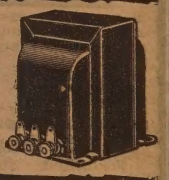
No. 2008. Symphonic Push-Pull. **Retail, pair, $19.50. YOUR PRICE $11.47**

No. 1972. Symphonic Interstage Push-Pull. **Retail $14.00. YOUR PRICE $8.23**

No. 1973. Symphonic for two type 210 tubes. **Retail $10.00. YOUR PRICE $5.88**

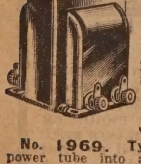
No. 1974. Symphonic for one 210, two 171, or two type 250 tubes. **Retail $10.00. YOUR PRICE..... $5.88**

Thordarson Autoformer



No. 2028. High quality impedance coupling. 3 stages are required. Wt., 2½ lbs. **Retail, $5.00.**
YOUR PRICE ... $2.94

THORDARSON SPECIAL SPEAKER COUPLING TRANSFORMERS



Protects the speaker windings against high plate current of power tubes. Wt., 2-3¼ lbs.

No. 1967. Type R-76. Used in coupling output of 171 tube into high impedance speaker. **Retail $6.00. YOUR PRICE $3.53**

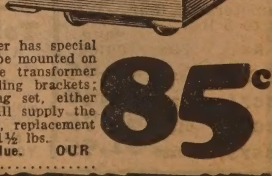
No. 1968. Type T-2876, similar to type R-76, but couples output of 210 tubes into high impedance speaker. **Retail $6.00.**
YOUR PRICE..... $3.53

No. 1969. Type T-2901. Couples output of a single type 250 power tube into a high impedance speaker. **Retail $12.00. YOUR PRICE..... $7.06**

No. 1970. Type T-2902. Couples output of a single type 250 power tube into a Dynamic Speaker. Primary is matched to plate impedance of this tube. **Retail $12.00.**
YOUR PRICE..... $7.06

No. 2029. Type 196 Choke. A 30 Henry Choke for "B" Eliminator Filter Circuits, and for output builder with 4 mfd. Condenser. Keeps D.C. out of loud speaker. **Retail $5.00.**
YOUR PRICE $2.94

Replacement Transformer



A highly efficient, yet small and compact audio transformer, designed for replacement purposes. The windings are machine wound to assure accuracy, and are carefully balanced with the high grade Silicon Steel Core for maximum amplification without distortion.

Highly Efficient

This popular replacement transformer has special mounting feet so arranged that it can be mounted on practically any position. The entire transformer measures but 2¾x2⅛x1¾ in., including brackets; and can be installed in any receiving set, either over or under the sub-base. This will supply the demand for a reliable, yet low priced, replacement audio transformer of this type. Wt., 1½ lbs.

No. 1971. A regular $3.50 value. OUR SPECIAL PRICE TO YOU, ONLY..... 85c

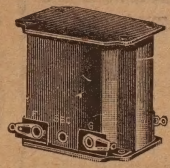
Audio Transformers and Chokes

Karas Harmonik

This is the famous all ratio transformer that revolutionized transformer design and construction. Reproduces high and low notes equally well without distortion. Fully shielded with plainly marked terminals. A high grade transformer at a reasonable price. Wt., 2 lbs.

No. 1043. All Ratio. Retail, $5.00. YOUR PRICE **$2.94**

Amertran De Luxe



A recognized standard of excellence for audio amplification. Their approach to ideal amplification is so close that further improvements would not be noticeable to the human ear or with the best existing commercial accoustical devices. Completely shielded and sealed in with a waterproof compound.

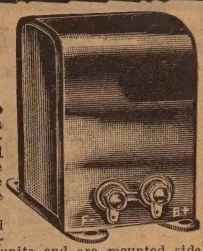
FIRST STAGE

No. 2019. For use in first stage, with turn ratio 3 to 1. List price $10.00. YOUR PRICE **$5.88**

SECOND STAGE

No. 2020. For use in second stage with turn 4 to 1. List price, $10.00. YOUR PRICE **5.88**

Knight Audio



The Knight Audio Transformers attain a new standard of excellence in tone quality and reproduction with the same efficiency over the entire band of audible frequencies.

The Knight is so designed that the primary and secondary coils constitute separate units and are mounted side by side in a closed core. Both core and coils are insulated and sealed against atmospheric conditions. Attractive metal cases with nickel trimmings and plainly marked terminals. **An exceptional value.** Wt., 2 lbs.

No. 3001. Retail, $5.00 list. YOUR PRICE **$1.40**

Acme Audio

New popular audio transformer, providing greater amplification without distortion. Practically equal amplification over entire scale. High primary impedance. Built to the famous Acme Standards. 5 to 1 ratio. Wt., 2 lbs.

No. 2010. Retail, $6.00. YOUR PRICE **$3.53**

Hedgehog Audio Transformers

For use in portable sets and all receivers where space is limited. The smallest audio frequency transformers in size. Very efficient. High amplification. Wt., 1 lb.

No. 1980. 3 to 1 Ratio. Retail, $3.50. YOUR PRICE..... **$1.98**

No. 1981. 5 to 1 Ratio. Retail, $3.50. YOUR PRICE..... **1.98**

No. 1982. 10 to 1 ratio. Retail, $4.50. YOUR PRICE..... **2.59**

Muter RF Choke Coils

A highly efficient RF choke, specified in many circuits. Confines RF currents to proper circuits. Prevents RF feedback through batteries and eliminators. Black molded bakelite case. Single hole mounting. Wt., 8 oz.

No. 2032. Retail, $1.00. YOUR PRICE **59c**

Samson Choke Coils

Samson Choke Coils are well known for high efficiency and excellent design. Specified in many leading circuits. Wt., 6 oz. each.

No. 2039. Type 3 audio choke. 3½ Henrys. Retail, $3.25. YOUR PRICE **$1.91**

No. 2042. Type 500 RF choke. ½ Henry. Retail, $2.75. YOUR PRICE **$1.62**

No. 2041. Type 125 RF choke. 250 millihenrys. Retail, $2.25. YOUR PRICE **$1.32**

No. 2040. Type 85 RF choke. 85 millihenrys. Retail, $2.00. YOUR PRICE **$1.18**

Pilot Bakelite Case Audio Transformers

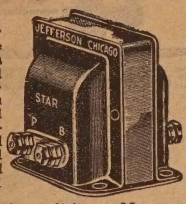
High grade audio units designed for super quality. Laminations and windings highest grade. Cases of genuine bakelite, thoroughly water-proof. Wt., 2 lbs.

No. 1983. Type 390. 2 to 1 Ratio. Retail, $2.75. YOUR PRICE.... **$1.62**

No. 1984. Type 391. 3½ to 1 Ratio. Retail, $2.75. YOUR PRICE **$1.62**

No. 1985. Type 392 Output Filter for coupling output to loud speaker. Retail, $3.25. YOUR PRICE.... **$1.91**

Jefferson Star Audio Transformers

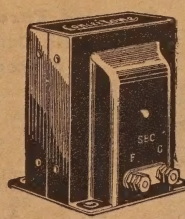


A small, compact, highly efficient transformer that supplies the demand for a good low priced audio unit. Nationally known for electrical efficiency. Attractive metal case with nickel trimmings and plainly marked terminals. Impervious to climatic conditions. Measures 2¾x2⅞x2⅝ in. Splendid value. Wt., 1 lb.

No. 2013. 3 to 1 Ratio. Retail, $2.75.

No. 2014. 5 to 1 Ratio. Retail, $2.75. YOUR PRICE..... **$1.62**

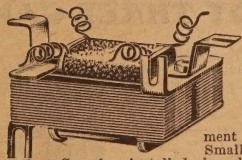
Jefferson Concertone Audio Transformers



The new concertone covers the entire audible scale of frequencies. Reproduces both high and low notes equally and faithfully. Fully sealed in a new designed metal case, unaffected by moisture or temperature. A real value at this low price. Wt., 4 lbs.

No. 2015. All Ratio. Retail, $6.00. YOUR PRICE..... **$3.53**

Jefferson Replacement Audio Transformers



A high grade audio transformer designed for use as a replacement unit. Small and compact. Can be installed in almost any receiving set, either over or under the sub-base. High grade silicon steel core. Provides maximum amplification without distortion. Measures only 2⅜x2⅛x1¾ in., including brackets. Brackets are made so that transformer can be mounted in practically any position. Every service man and dealer should keep a quantity of these remarkable replacement units on hand. Wt., 1 lb.

No. 2016. Retail, $2.25. YOUR PRICE..... **$1.32**

New Silver Marshall Audio

No. 951. Type 223 Hi-Mu Audio. Used between CX 222 first stage screen grid tubes. Wt., 5 lbs. Retail, $9.00. YOUR PRICE.. **$5.29**

No. 952. Type 225 First Stage Audio. Effective transformation ratio of 4.3 to 1. Wt., 5 lbs. Retail, $9.00. YOUR PRICE..... **$5.29**

No. 953. Type 226 Second Stage Audio. Effective ratio of 3.5 to 1. Used with type 225 first stage. Retail, $9.00. YOUR PRICE..... **$5.29**

No. 955. Type 255 First Stage Audio. Effective transformation ratio 4.2 to 1. Wt., 5 lbs. Retail, $6.00. YOUR PRICE..... **$3.53**

No. 956. Type 256 Second Stage Audio. Like type 255 except used between first and second stage amplifiers. Used with type 255 unit. Wt., 5 lbs. Retail, $6.00. YOUR PRICE..... **$3.53**

No. 954. Type 251 Out-put or Impedance. Used as a tone filter. Extra taps for 112, 210, 171 or 250 type tubes. Used as a plain or tapped choke. Wt., 5 lbs. Retail, $6.00. YOUR PRICE..... **$3.53**

S-M Standard

No. 1065. Standard Type 220. Audio. Wt., 4½ lbs. Retail, $8.00. YOUR PRICE... **$4.70**

No. 1064. Type 221 Output. High grade filter used between power tube and loud speaker. Wt., 4½ lbs. Retail, $7.50. YOUR PRICE.. **$4.41**

No. 1056. Type 222 Output. Similar to type 221 above except has 4 phone tip jacks and 5 foot extension cord. Wt., 4½ lbs. Retail, $8.00. YOUR PRICE..... **$4.70**

No. 1054. Type 230 Push-pull In-put. Used as a variable ratio straight audio of 6 to 1 or 3 to 1 ratio. Wt., 5 lbs. Retail, $10.00. YOUR PRICE... **$5.88**

No. 1053. Type 231 Push-pull Out-put. Used with type 230 above in push-pull. Wt., 5 lbs. Retail, $10.00. YOUR PRICE..... **$5.88**

No. 957. Type 242 Microphone. Used either in single or double button microphone or as a line in-put to power amplifiers. Wt., 5 lbs. Retail, $7.00. YOUR PRICE..... **$4.12**

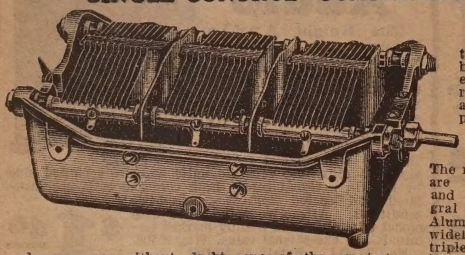
No. 958. Type 247 Filament. Supplies current to AC tubes. as 1, 105-120 v., 60 cycle primary; 1, 1½ v. 4 to 5 amps. secondary; 1, 2¼ v. 3½ amps. secondary, and 1, 5 v. 1 amp. secondary. Operates with 4 or 5, 226 tubes. 2, 227 tubes and 2 or 3, 112 or 171 tubes. Wt., 5 lbs. Retail, $5.00. YOUR PRICE..... **$2.94**

No. 1057. Type 325 Step-down. Supplies 1½ and 2½ volts filament for AC tubes, and 5 and 7½ volts for 112, 171, 210 or 250 tubes. Has center tapped 7½ volt or 5 volt secondary, 3 amps. capacity, 1½ volt secondary, 12 amps. capacity, 2½ volts secondary, 12 amps. capacity. Wt., 5 lbs. Retail, $12.50. YOUR PRICE.... **$7.35**

Triple Gang Duo Space Condenser

Die-Cast Frame Condenser

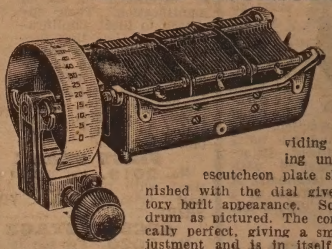
SINGLE CONTROL—COMPENSATED



The new bathtub aluminum base cast condenser is the latest in rigidity, accuracy and trueness. A positive separation of stations over the entire broadcast band. The rotors and stators are rigidly aligned and become an integral part of this unit. Aluminum plates widely spaced. These triple and four-gang condensers are, without doubt, one of the greatest condenser values on the market today. Precise construction, wonderful design and perfect assembly, found only in condensers at $15.00 and $20.00 list. Nothing spared in their construction. They have individual compensators for each unit attached conveniently to the side. Perfect bearings. Heavy shaft and ribbed bathtub—rigid construction.

No. 3046. Three-gang unit. Ship. wt., 4 lbs. List, $15.00. YOUR PRICE..... **$4.95**

TRIPLE CONDENSER AND DRUM ASSEMBLY



This offer is of the triple-gang condenser shown at the left along with a high-grade drum dial assembly, providing a complete tuning unit. A beautiful escutcheon plate shown below furnished with the dial gives the set a factory built appearance. Sold complete with drum as pictured. The control is mechanically perfect, giving a smooth vernier adjustment and is in itself featured on the dial page of this book. No backlash, perfect drive, fully numbered and illuminated with scale.

Illuminated Drum

No. 3059. Price, complete with illuminated drum, bulb, including three-gang condenser pictured at left; a perfect tuning unit. Ship. wt., 6 lbs. YOUR PRICE..... **$6.93**

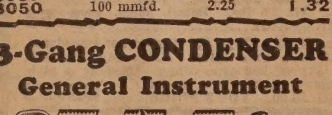
HAMMARLUND JR.

Midget condenser of distinctive design and workmanship. It features a sturdy and simplified construction. One-hole mounting. Rotor plates may be fixed in any desired position. Soldered brass plates, cone bearings, bakelite dielectric. Complete, with bakelite knob. Wt., 6 oz.

No.	Capacity	Retail	YOUR PRICE
3094	16 mmfd.	$1.50	$0.88
3095	32 mmfd.	1.50	.88
3096	50 mmfd.	1.75	1.03
3097	65 mmfd.	2.00	1.18
3050	100 mmfd.	2.25	1.32

3-Gang CONDENSER

General Instrument



Bath Tub Design

A variable condenser that reflects the modern trend in condenser design and construction. Their rigid construction makes them good for years of service. The plates are made of a special processed material that has proven highly efficient for this purpose and wide spacing assures constancy and uniformity of capacity. They provide a positive and even station separation over the entire broadcast band.

Rigid Plate Alignment

The rotors and stators are rigidly aligned and the rotor plates have equalizing members which prevent short circuits. Ample size bearings make for smooth operation and assure long life, equipped with compensators.

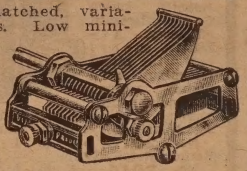
Solid Construction

These condensers feature a new type frame in the bath-tub type of construction—so popular in all the new kits of the day.

No. 3045. Retail Value, $7.50. YOUR PRICE **$3.65**

DEJUR CONDENSERS

Accurate, matched, variable condensers. Low minimum capacity. Hardened bearings. Furnished in single, double and triple units.



SINGLE CONDENSERS

	Capacity	List	YOUR PRICE
No. 3077.	.00014	$3.00	$1.76
No. 3078.	.00025	3.00	1.76
No. 3079.	.00035	3.25	1.91
No. 3080.	.0005	3.50	2.06

Weight, 1 lb.

Two and Three Gang Condensers

DOUBLE CONDENSERS

	Capacity	List	YOUR PRICE
No. 3081.	.00035	$6.50	$3.82
No. 3082.	.0005	7.00	4.12

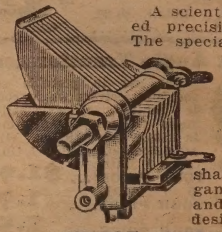
Weight, 2 lbs.

TRIPLE CONDENSERS

	Capacity	List	YOUR PRICE
No. 3083.	.00035	$ 9.75	$5.73
No. 3084.	.0005	10.50	6.17

Weight, 2½ lbs.

HAMMARLUND MIDLINE



A scientifically designed precision condenser. The specially shaped plates provide easy tuning on low waves. Adjustable ball bearing rotor shaft. Removable shaft permits ganging. Rugged and compact in design.

SINGLE CONDENSERS

	Capacity	List	YOUR PRICE
No. 3060.	.0005	$5.50	$3.23
No. 3061.	.00035	5.25	3.09
No. 3062.	.00025	5.00	2.94
No. 3063.	.00014	4.75	2.79

Weight, 1½ lbs.

New Hammarlund Multiple Midline

Battleship Model

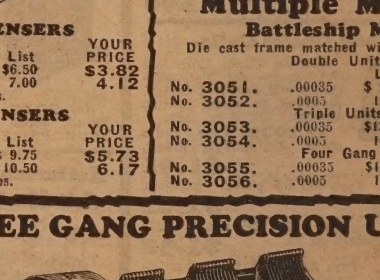
Die cast frame matched within ¼ of 1%.

		List	NET
Double Units			
No. 3051.	.00035	$ 9.50	$5.59
No. 3052.	.0005	10.00	5.88
Triple Units			
No. 3053.	.00035	$13.25	$7.79
No. 3054.	.0005	14.00	8.23
Four Gang			
No. 3055.	.00035	$17.00	$10.00
No. 3056.	.0005	18.00	10.59

PILOT THREE GANG PRECISION UNIT

The Pilot Three-Gang Condenser is a brass plate Precision unit with removable shaft, sturdily constructed. A clean, high-grade condenser unit. Accurately phased for single control circuits. Highly polished end plates. Extremely low losses. Very excellent. One of the feature condenser units. Wt., 3 lbs.

No. 3048. Three-gang condenser only. List Price, $7.75. YOUR PRICE .. **$4.76**



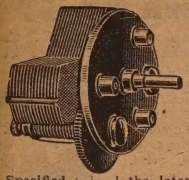
Pilot Unit with Illuminated Drum Dial

We offer here this Pilot unit with an illuminated drum assembly, including the escutcheon plate and perfect no backlash drum dial, easy to mount and assemble, making a complete single-control unit. No detailed construction difficulties. A real "buy." Includes bulb. Wt., 5 lbs.

No. 3049. Total List, $13.25. YOUR PRICE **$6.74**

Variable Condensers of Quality

REMLER TWIN ROTOR



New Remler single, double and triple condensers, 360° for greater separation. Welded corrugated plates. Double rotor. Genuine bakelite gears. Double and triple units have balancing condensers. Mounted on crackle finished die-cast aluminum frame. Specified for all the latest kits and circuits.

Single Condensers
Weight, 1¼ lbs.

No. 3100. .00035 SLW
No. 3103. .00035 SLF
No. 3101. .0005 SLW
No. 3104. .0005 SLF
Retail, $5.00.
YOUR PRICE..... **$2.94**

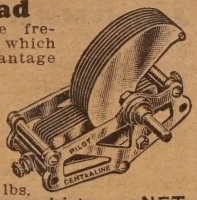
Remler Two-In-Line Condensers
Weight, 3 lbs.

No. 3106. .00035 SLW
No. 3107. .00035 SLF
Retail, $12.00.
YOUR PRICE..... **$7.06**

Remler Three-In-Line Condensers
Weight, 4 lbs.

No. 3108. .00035 SLW
Retail, $15.00.
YOUR PRICE..... **$8.82**

Pilot Centraline Capacigrad



A straight line frequency condenser which has proved to advantage in mechanical and electrical accuracy. Condensers may be ganged with coupling unit with a shaft extension at the rear. Hardened bearings. Wt. 2 lbs.

No.	Cap.	List	NET
3036.	.00016	$1.90	93c
3037.	.00025	2.10	1.05
3038.	.00035	2.30	1.15
3039.	.0005	2.50	1.22

No. 3040. Coupling unit for ganging condensers. List, 45c.
YOUR PRICE..... 25c

Pilot Midget

Well constructed, neat appearing. Intended for use as vernier adjustment in tuning condensers, for balancing and neutralizing adjustments and for oscillation control. Wt., 8 oz.

No.	Cap.	List	NET
3151.	.000015	$0.90	53c
3152.	.000025	.90	53c
3153.	.00005	.95	56c
3154.	.0001	1.40	82c

CONDENSER SHAFTS

¼ in. Diameter.

No.	Material	Length	EACH
3156.	Brass	8 in.	14c
3157.	Brass	12 in.	19c
3158.	Brass	16 in.	25c
3159.	Bakelite	8 in.	34c
3160.	Bakelite	12 in.	51c
3161.	Bakelite	16 in.	68c

Wt., Brass, 8 oz. Bakelite, 4 oz.

Flexible Insulated Coupling

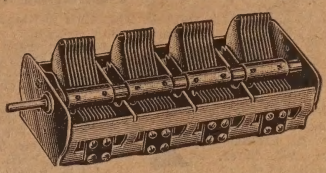
Permits operation of any number of condensers in tandem without requiring exact alignment. Bakelite insulation. Bronze springs. Two sets screws.
No. 3162. YOUR PRICE, EACH.. 24c

A New Multiple Condenser

ADJUSTABLE TENSION

Special set builders multiple gang condenser. Precision made. Accurately matched units housed in a heavy gauge formed metal frame. Rigidly and sturdily constructed. The plates are of special aluminum alloy, accurately stamped and spaced. Has excellent insulation with minimum dielectric—lowest losses.

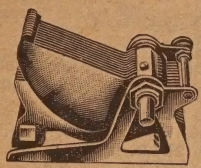
Just the condenser for single control receivers having two or three stages of accurately matched tuned radio frequency amplification. **Our special at a price far below the market. Superior to most apparatus at twice the price. True, accurate and efficient.** Furnished in three and four gang units, each section .00035. Wt. 4 lbs.



No. 3163. Three Gang. List, $10.00.
YOUR SPECIAL PRICE **2.95**

No. 3164. Four Gang. List, $12.50.
YOUR SPECIAL PRICE **4.10**

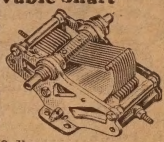
Quaker Condensers



A sturdy condenser housed in a stamped aluminum frame. Hollow rotor permits mounting in gang formation or can be reversed so as to make a left hand or right hand turning. Rotor and stator plates of highly finished heavy brass, single hole mount design. Wt., 2 lbs.

No.
3165. .00025
3166. .00035
3167. .0005
List each, $1.50.
YOUR PRICE . **85c** each

New Pilot Condenser
With Removable Shaft

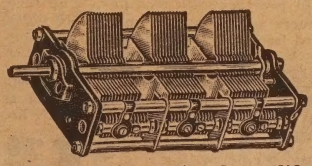


Conforming to Pilot high standards. A new straight line frequency condenser suitable for single hole or base mounting, with removable shaft. Double and triple condensers equipped with compensators. Wt., 2 to 3 lbs.

No.		List	NET
3168.	.00016	$1.90	1.12
3169.	.00025	2.00	1.18
3170.	.00035	2.15	1.26
3171.	.0005	2.25	1.32
	DOUBLE CONDENSER		
No. 3172.	.00035. List, $4.00.	YOUR PRICE.....	2.35
	TRIPLE CONDENSER		
No. 3173.	.00035. List, $6.00.	YOUR PRICE.....	3.53

AMSCO CONDENSERS

STRAIGHT TUNING LINE



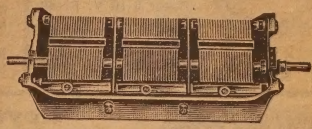
An expertly designed modified straight line frequency condenser. Allocates the stations on the dial with special consideration to those bands requiring generous tuning. Rugged construction. Electrically shielded. Wt., 2 to 3 lbs.

No.	Single Units	List	NET
3085.	.00025	$ 3.00	1.76
3086.	.00035	3.25	1.91
3087.	.0005	3.75	2.20
	Double Units		
3088.	.00035	6.50	3.81
3089.	.0005	7.50	4.41
	Triple Units		
3090.	.00035	9.75	5.73
3091.	.0005	11.25	6.61

Duo Space

A condenser designed to meet the stringent requirements of modern receivers. Wide spacing makes possible the matching of double, triple and quadruple units within narrow tolerances. May be mounted for drum or dial control. Single and double units with removable shaft. Wt., 2 to 3 lbs.

No.	Single Unit	List	NET
3174.	.00014	$ 4.00	2.35
3175.	.00025	4.25	2.50
3176.	.00035	4.50	2.65
3177.	.0005	5.50	3.23
	Double Unit		
3178.	.00035	9.00	5.29
3179.	.0005	11.00	6.47
	Triple Unit		
3180.	.00035	13.50	7.94
	Quadruple Unit		
3181.	.00035	18.00	10.58



AMSCO S. L. F.

A precision constructed straight line frequency condenser. An aluminum frame, flexible pigtail connections, and rotor shaft of chromium nickel needle steel, assures efficiency and durability. Wt. 2 lbs.

No.		List	NET
3182.	.00014	$3.50	2.06
3183.	.00025	2.75	1.62
3070.	.00035	3.00	1.76
3071.	.0005	3.50	2.06

VOLTMETERS - MILLIAMETERS - TEST KITS

Readrite High Resistance Voltmeters

A portable type high resistance voltmeter for testing B eliminators, power units, etc. Operates on the principle of the polarized vane and show polarity. Each instrument is hand calibrated and is accurate. A necessary instrument for the set builder and service men for accurate testing of B eliminators.

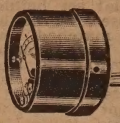
No. 2067. Scale 0-300 volts for B Eliminators. Wt. 14 oz. Retail, $5.00. YOUR PRICE **$2.94**

No. 2082. For B Eliminators, Power Packs, etc. Scale, 0-500 Volts. Wt. 1 lb. Retail $6.00 YOUR PRICE **$3.53**

READRITE AC VOLTMETER

No. 2083. A high grade A.C. voltmeter of the repulsion type. Hand calibrated and dependably accurate. Necessary for testing the A.C. line voltage. Wt. 1 lb. Scale 0-150 volts. Retail, $5.00. YOUR PRICE..... **$2.94**

Jewell Pin Jack Meter No. 135A



A high grade D. C. voltmeter, reading 0-5 volts, equipped with pin jacks for plugging into sets such as the Radiola and other sets equipped with jacks for this type meter. A precision unit that tells exactly what voltage your tubes are receiving. Highly recommended. Wt. 12 oz.

No. 2054. Retail, $7.50. YOUR PRICE.... **$4.77**

Jewell Meter Pattern No. 57

A high grade portable type D. C. voltmeter designed for general use in testing batteries, circuits and for laboratory work. An accurately calibrated dial with silver etched numerals providing readings of 0-8 and 0-200 volts. Complete with test leads. Wt. 6 lbs.

No. 2055. Retail, $10.50. YOUR PRICE **$7.72**

Jewell Meters Pattern No. 135

A well known 2 in. panel mount D.C. instrument. Very accurate. Especially for panel mounting. Wt. 2 lbs.

No. 2049. 0-8 Volts. Retail Price, $7.00. YOUR PRICE .. **$4.46**

No. 2050. 0-100 Volts. Retail Price, $7.50. YOUR PRICE..... **$4.78**

No. 2084. Double Meter 0-8-200 Volts. Retail Price, $8.50. YOUR PRICE **$5.40**

MILLIAMETERS

No. 2051. 0-25 M.A.
No. 2052. 0-50 M.A.
Retail $7.00. YOUR PRICE.. **$4.46**

DOUBLE RANGE VOLTMETER

No. 2053. Jewell Pattern No. 135B with double scale and push button switch for high or low readings. Scale 0-7.5-150 volts. Retail $9.00. YOUR PRICE **$5.73**

Flush Panel Mounting Meters

Well designed, accurate high resistance meters designed to mount flush on panel. Mounts in 2 5/64 in. hole and are securely held in place with back clamps. Nickel plated rim and bezel. Wt., 1½ lbs.

No. 2068. 0-8 volts DC } Retail $1.00
2069. 0-50 volts DC } NET..... **53c**

No. 2070. 0-150 volts DC. Retail $1.50. NET..... **64c**

No. 2071. Double range 0-8-100 volts DC. Retail $1.75. NET..... **92c**

No. 2072. 0-10 M.A.
No. 2073. 0-50 M.A.
No. 2074. 0-100 M.A.
No. 2075. 0-400 M.A.
Retail, $1.00. NET..... **53c**

AC METERS

No. 2086. 0-6v. AC.
No. 2087. 0-10v. AC.
No. 2088. 0-15v. AC.
Retail, $3.00. NET..... **$1.76**

Beede AC Line Tester

A compact, specially designed for checking the line voltage on A. C. sets when plugged into any electric light socket or receptacle. Scale reads 0-150 volts. Tells if line voltage is constant. A real value. Wt. 1½ lbs.

No. 2160. Type 75 Line Voltage Tester. Retail, $3.00. YOUR PRICE **$1.76**

Jewell Meter Pattern 139

A high grade high resistance type voltmeter for checking B eliminators, power units, etc. The resistance is about three times that of an ordinary voltmeter while the current draw is very low. Quickly pays for itself in improved reception. Scale range 0-300 volts D. C. Wt. 2 lbs.

No. 2057. Retail, $12.00. YOUR PRICE..... **$7.64**

Jewell AC Meter Pattern 77

Calibrated, accurate. For A. C. current tests. Small current draw. Permits A.C. current regulation for lengthening the life of A.C. tubes. Wt. 4 lbs.

No. 2089. Three Range 0-3-15-150 V. Retail $15.00. YOUR PRICE **$11.02**

No. 2090. Two Range, 0-15-150 V. Retail $10.50. YOUR PRICE..... **$7.71**

No. 2091. Direct Reading, 0-150 Volt. Retail, $10.00. YOUR PRICE..... **$7.35**

Beede Portable "B" Eliminator Tester

It is of the high resistance type and will give accurate readings. The scale covers a full range from 0 to 300 volts, sufficient to test all existing types of eliminators designed for power tube operation with the 112 and 171 types of power tubes. A complete and accurate testing outfit at a very low price. Wt. 1½ lbs.

No. 2161. Retail Price, $3.00. YOUR PRICE .. **$1.76**

Sterling Panel Meter

Narrow rim type panel mounting voltmeters. Silver etched dial. Over all 2⅛ in. Diameter 2 in. Wt. 1 lb.

No. 2063. 0-8 Volt. Retail, $3.00. NET **$1.76**

No. 2064. 0-150 Volt. Retail, $3.50. NET **$2.06**

No. 2065. Double Range with built in Switch, 0-7.5-150 Volt. Retail, $5.00. NET **$2.94**

No. 2066. 0-50 M. A. Retail $3.50. NET..... **$2.06**

AC METERS

No. 2092. 0-3 V. } Retail $4.50
No. 2093. 0-15 V. } NET..... **$2.65**

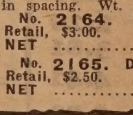
Beede AC Panel Meter

A special type A. C. panel meter for the new A. C. kit sets. Accurate readings at all times of the tube voltage. Wt. 1¼ oz.

No. 2162. Scale Range 0-10 V. Retail $1.25. NET **73c**

No. 2163. Scale Range, 0-150 V. Retail, $3.00. NET..... **$1.76**

Beede Swivel Jack Meter



A swivel jack type meter for Radiola, Victor and Brunswick Superhets. Swivel jacks for variations in spacing. Wt. 12 oz.

No. 2164. Diameter 2 in. Retail, $3.00. NET **$1.76**

No. 2165. Diameter 1½ in. Retail, $2.50. NET **$1.47**

Hoyt Radio Rotary Meter

Combines five scale ranges necessary in testing sets, tubes and accessories. 0-20-100 M.A.; 0-10 amps.; 0-10-200 v. D.C. Complete with flexible leads. 4½x3¾x2¾ in. Highly recommended. Wt. 6 lbs.

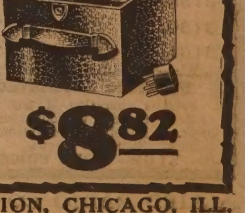
No. 2078. Retail, $26.00. PRICE **$17.60**

THE NEW BEEDE TEST KIT

A high grade, universal type test kit consisting of a plate voltage meter having a scale range of 0-300 volts. an A.C. filament meter having a scale range of 0.7½ volts and an A.C line tester with 0-150 volt range and a grid bias meter with 0-50 volt range together with adapter for converting from four to five prongs.

Test the New AC Tubes

One of the most complete and most practical A. C. tube test kits on the market. Attractive carrying case in black leatherette. A complete and accurate testing outfit at a reasonable price. Wt. 6 lbs.



No. 2166. Retail $15.00. YOUR PRICE..... **$8.82**

AC and DC Panel and Portable Meters

Hoyt Meters for Every Radio Need

Hoyt A. C. Panel Meters
Type 548A

The advent of the new A.C. tubes has created a definite demand for a panel mounting A.C. voltmeter. To meet this demand the Hoyt type 548A meters were designed. They are accurately calibrated instruments, dependable under all operation conditions and their use insures long life of the A.C. tubes. Dealers are urged to stock these meters as they are certain to be popular sellers with the trade. Wt., 1 lb. Retail Price $2.50

No. 2167. Scale Range 0-3
No. 2168. Scale Range 0-9
No. 2169. Scale Range 0-15
YOUR PRICE **$1.60**

Hoyt A. C. Panel Meters
Type 536

Attractively designed panel mounting A.C. voltmeters for filament or line voltage control. Cases are 2 in. in diameter for flush mounting with narrow back rim. Their resistance is well over 20 ohms per volt. Wt., 1 lb.

		Retail Price
No. 2170.	Scale Range 0-3	$5.00.
No. 2171.	Scale Range 0-5	YOUR PRICE
No. 2172.	Scale Range 0-9	**$3.18**
No. 2173.	Scale Range 0-15	
No. 2174.	Scale Range 0-25	
No. 2175.	Scale Range 50-150 volts.	

Retail Price $7.50.
YOUR PRICE **$4.78**

Ammeters

Similar in construction to above meters. Wt., 1 lb.

No. 2176. Scale Range 0-3 amps.
No. 2177. Scale Range 0-15 amps. Retail $5.00.
YOUR PRICE **$3.18**

Double Range Meters

Similar to above meters, except designed with double scales. Wt., 1 lb.

No. 2178. Type 5362. Scale Range 0-3, 3-9 volts.
No. 2179. Type 5366. Scale Range, 0-3, 6-15 volts.
Retail $7.50.
YOUR PRICE **$4.78**

A. C. PORTABLE METER TYPE 551

A portable type A.C. meter offering a scale range from 0 to 150 volts. Designed especially for testing A.C. line voltages. This unit employs the standard type 548 meter attractively housed in a black with necessary binding posts for leads. Wt., 1½ lbs.

No. 2180. Retail $5.00.
YOUR PRICE **$3.18**

A. C. POCKET METER TYPE 550

The unusual demand for A.C. line voltage checking meters has resulted in the design of this special pocket meter having a scale range of 0 to 150 volts. It is housed in a highly finished, watch-like casing and neat leather container. Indispensable to the service and radio repair man. Wt., 1 lb.

No. 2181. Retail Price $3.00. YOUR PRICE..... **$2.20**

HOYT D. C. PANEL METERS TYPE 17

Equipped with genuine D'Arsonval movement having a resistance of 70 ohms per volt. Cases are 2 in. in diameter and 2¼ in. across front flange. Hand calibrated scales with zero adjuster. Black finish. Wt., 1 lb.

No. 2182. Filament voltmeter 0-6 v. Retail, $7.00.
YOUR PRICE..... **$4.46**

No. 2183. Double range voltmeter 0-7.5 to -150 v., built in switch. Retail, $9.00. YOUR PRICE... **$5.73**

No. 2184. Milliameter 0-5 scale. Retail, $8.00.
YOUR PRICE..... **$5.10**

No. 2185. Milliameter 0-50 scale. Retail, $7.00.
YOUR PRICE..... **$4.46**

Hoyt D. C. Panel Meters Type 548

A standard type D.C. panel meter with a 2 in. body, ⅛ in. flange. Accurately calibrated and dependable. These meters are attractively finished in an over all black with white numerals making them easy to read under all conditions. Wt., 1 lb.

No. 2186. Range 0-6 D.C.
No. 2187. Range 0-8 D.C.
Retail Price $2.50
YOUR PRICE **$1.60**

No. 2188. Range 0-150 D.C. Retail $3.00. YOUR PRICE... **$1.91**

Hoyt A. C. and D. C. Pocket Meters

Attractively designed pocket meters that adapt themselves to all types of testing work. Complete in leather cases. Wt., 1 lb.

A. C. Meters

No. 2189. Type 537. Scale range 0-150 v.
Retail, $11.00.
YOUR PRICE **$8.08**

No. 2190. Type 547. Scale range, 0-3, 3-9 v. Retail $12.00.
YOUR PRICE **$8.82**

No. 2191. Type 5473 triple range, 0-3, 3-9, 50-150 v. Retail $16.00.
YOUR PRICE **$10.19**

D. C. Meters

Moving coil type meters with jeweled bearings and resistance of 70 ohms per volt. 2¼ in. nickeled cases. Wt., 1 lb.

No. 2192. Type 5062. Double range, 0-7.5-150 v. D.C.

No. 2193. Type 5063. Double range milliameter, 0-15, 0-75. Retail $11.50. YOUR PRICE... **$7.33**

Jewell Portable Meter Type 116

An exceptionally high grade portable testing meter. Uses only 1¼ M.A. draw for full scale reading. Resistance is 800 ohms per volt. Gives accurate B eliminator output readings. Two scale of 0-50 and 0-250 volts. A pair of leads are provided. A precision instrument that gives accurate readings. Wt., 6 lbs.

No. 2194. Retail $25.00. YOUR PRICE **$18.37**

Sterling D.C. Voltmeter

A Sterling type R 415 D.C. voltmeter that is a high resistance unit for testing batteries and D.C. circuits up to 300 volts. Its simple operation enables the set owner to quickly test the output of his B eliminator for improved radio reception. Measures 3x5x1¾ in. Priced low for use as a sales leader. Wt., 3 lbs.

No. 2076. Retail $7.50. YOUR PRICE **$4.41**

Jewell A. C. Panel Meters

A 2 in. flush type A.C. instrument designed for panel mounting. Accurately calibrated. Wt., 1½ lbs.

No. 2195. 0-3 v.
No. 2196. 0-8 v.
No. 2197. 0-20 v.
Retail, $7.50.
YOUR PRICE..... **$5.50**

Pattern 190
No. 2198. 0-150 v.
Retail, $9.50. YOUR PRICE... **$6.60**

Ammeters

Similar in construction to above meters.

No. 2199. 0-3 amperes.
No. 2258. 0-5 amperes.
Retail, $7.50. YOUR PRICE... **$5.52**

Jewell Panel Cutters

Special case hardened cutters for bakelite or wood. Fits standard braces. Quickly and easily cuts holes for mounting meters, etc. Wt. 8 oz.

No. 2060. 2 -in. size.
No. 2061. 2½-in. size.
No. 2062. 3 -in. size.
Retail, each, $1.25. YOUR PRICE **80c**

Beede Socket Test Meters

Beede Socket Test meters are unique in design, being so constructed that they fit into the standard UX or UV tube socket and give correct readings without external connections. Wt., 1 lb.

No. 2152. Type 50 plate voltage meter. Range 0-300 v. Retail $3.00.
YOUR PRICE .. **$1.76**

No. 2153. Type 55 grid bias meter. Scale range, 0-50 v.
Retail, $3.00.
YOUR PRICE..... **$1.76**

No. 2154. Type 60 A.C. filament meter 0-7½ scale range. Retail $2.50. YOUR PRICE..... **$1.47**

No. 2155. Type 60A five prong adapter for No. 60 meter. Retail 90c.
YOUR PRICE **53c**

Readrite Socket Meters

An attractively designed series of socket meters that permit direct readings by plugging in the socket of set. Wt., 1½ lbs.

No. 2156. Type 146 socket voltmeter 0-300 D.C. scale range.
Retail $3.00.
YOUR PRICE **$1.76**

No. 2157. Type 150. 0-50 v. D.C. meter.
Retail $3.00.
YOUR PRICE **$1.76**

No. 2158. Type 152. 0-10 v. A.C. meter.
Retail $2.50.
YOUR PRICE **$1.47**

No. 2159. Type 148. 0-150 v. A.C. meter for plugging directly into light socket.
Retail $3.00.
YOUR PRICE **$1.76**

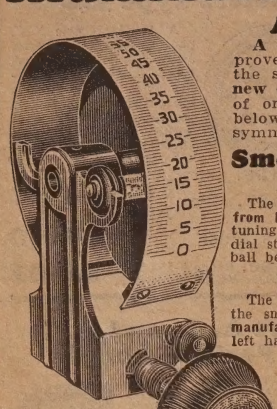
Sterling "Metered" Tube Rejuvenators

For use with large and small tubes including types 200A, 171A, 112A, 240, 200A and all tubes having thoreated filaments. The emission meter determines instantly whether a tube needs rejuvenation and also to what degree the filament emission has been restored. Has carrying handle. Size, 6x7½x5 in. For 110 volt, 60 cycle A.C. operation. Wt., 8 lbs.

No. 2200. Retail, $14.50. YOUR PRICE..... **$8.53**

The New Vernier Dials & Drums

Illuminated Drum Control



A Mechanical Masterpiece

A new drum dial—offering fundamental improvements in construction that overcomes all the shortcomings of the drums of the past. **A new cable drive is** employed that cannot get out of order. It permits placing the knob directly below the drum giving the finished panel a symmetrical appearance.

Smooth, Positive Ball-Bearing Drive

The smooth positive drive of this drum—its **entire freedom from backlash slip,** imparts a new enjoyment of fine vernier tuning. Illuminated from behind, the translucent calibrated dial strip is graduated 0-100 over a full 180° arc. Genuine ball bearing assembly.

Provides Perfect Control

The substantial construction from the die cast frame to the smallest part used in its assembly is one of **precision manufacture.** Condenser can be mounted on either right or left hand side.

A Regular $6.00 Value

Ordinarily this dial would actually cost three to four times the price we ask. Our large sales volume has brought the price down to a minimum. Wt. 3 lbs.

No. 2243. YOUR PRICE ONLY With bulb.

Beautiful Escutcheon Plate

Furnished complete with a beautifully etched and embossed panel escutcheon, drilling template and a six volt bulb for illumination.

$1.98

Marco Bakelite Dials

An attractive, yet economical dial of black bakelite with heavily nickeled fittings. Provides "sure" and accurate tuning. Good for sets where the listener enjoys distance. Marco has long been the popular and accepted standard of experimenters and short wave operators. 4 inches in diameter. Template. Easily mounted. Wt. 8 oz.

No. 1911. 0-100 } List, $2.00
No. 1912. 100-0 } YOUR PRICE **58c**

Put your set in a good console cabinet. See pages 141 to 150 for some real console values.

The New B.M.S. Diamond Vernier Dial

A well designed dial of unusually fine artistic appearance. Antique metal finish. Dual reading for right hand drive or left hand drive condensers. Makes tuning easier. Simple to install on any set. Wt., 8 oz.

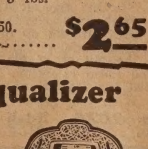
No. 2223. List, $1.00. YOUR PRICE 59c

Remler Drum Dial

An innovation in Drum Dial construction. Dial may be used with either gang or single condensers. No back lash of any nature. Dependable tuning. Depth required back of panel only 5 inches. Mounting template and extra calibration strip with each dial. Wt. 3 lbs.

No. 1901. List, $4.50. YOUR PRICE $2.65

Remler Equalizer Control



A special arrangement of Remler Drum Dial Controls. Condensers placed on both sides of Drum. Exceptionally fine vernier action. Used to advantage with Remler S.L.W. single condensers. Wt. 2 lbs.

No. 1902. No. 112 Single Control. List, $5.50. YOUR PRICE $3.23

Escutcheon Plates

No.		List	YOUR PRICE
1903.	Single Plate	$1.75	$1.03
1904.	Double Plate	2.50	1.47
1905.	Triple Plate	5.00	2.94

The New Silver-Marshall Drum Dial

A precision dial that provides easy tuning. Standard S-M quality. Artistic Gold Etched scale, complete with walnut knob, but without panel window. Wt. 3 lbs.

No. 1906. Left Hand Drive,
No. 1907. Right Hand Drive. **Retail, $2.50. YOUR PRICE $1.47**

Drum Dial Window

No. 1908. Window for above dial. Attractive Antique Brass finish. Wt., 3 oz. **Retail, 50c. YOUR PRICE 29c**

Single Control Escutcheon

No. 1909. Control panel for one dial. Combines volume control, on-off switch, and sensitivity control. Size, 6¼x8 in. Wt., 9 oz. **Retail $2.25. YOUR PRICE $1.32**

Dual Control Escutcheon

No. 1910. Control panel for two dials and two auxiliary controls. Measures 6¼x8⅞ in. Antique Brass finish. Wt., 9 oz. **Retail, $2.75. YOUR PRICE $1.62**

National Dials

The most popular dial of this type. Provided with the unique variable ratio feature. With no gears, it is a "low-loss" dial and has no troublesome backlash or slip. Comes in two types. Type "B" without lamp. Type "C" with lamp. Wt., 1 lb.

Type B Nickel

No. 3008. Clockwise 200 to 0.
No. 3009. Counter clockwise 0-200.
No. 3010. Dual, 0-100-0.
List Price, $2.50 each. YOUR PRICE $1.47

Type C Nickel with Lamp

No. 3011. Clockwise.
No. 3012. Counter clockwise.
No. 3013. Dual.
List Price, $3.00 each. YOUR PRICE $1.76

PILOT ART DIAL

A new dual reading dial for clockwise or counter clockwise condensers. Of beautiful molded bakelite, it makes any set panel attractive and gives it a commercial appearance. Wt., 12 oz.

No. 2234. List, 95c. YOUR PRICE 56c

The New National Drum

The Drum Dial that set builders and fans have long expected would be produced. The same velvety smoothness that has characterized all former types. An automatic spring takeup assures positive drive at all times. Template furnished with each dial. The escutcheon plate adds to beauty of set. A concealed 6 volt lamp may be attached to light dial. Wt. 1 lb.

No. 1928. List, $4.00. YOUR PRICE $2.35

New Pilot Illuminated Drum

Electrically, mechanically and artistically the New Pilot knob control type drum dial is a real winner. Metal-to-bakelite drive is a combination which actually improves with use. Attractive plate design enhances any set panel. Walnut knob. Wt., 1¼ lbs.

COMPLETE WITH LAMP

No. 1915. Single drum with bulb. List, $3.25. YOUR PRICE $1.90

No. 1916. Double illuminated drum with bulb. Wt. 2 lbs. List, $5.75. YOUR PRICE $3.35

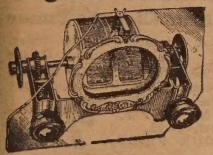
Lowest Prices on Drums, Dials and Knobs

PILOT ILLUMINATED DIAL

Illuminated vernier dial. Friction drive. No backlash. Translucent scale using small midget lamp for illumination through window of attractive gracefully designed bronze escutcheon plate. Wt., 1 lb.

No. 1917. List, $2.15. YOUR PRICE, with bulb. **$1.25**

Tyrman Drums

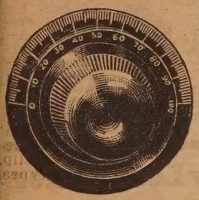


New Tyrman Single and Double vernier drum dials. Illuminated from behind translucent scale by miniature lamp. New attractive deep drawn escutcheon plates. Wt., 4 lbs.

No. 2245. Single. List $8.00. NET **$4.70**

No. 2244. Double. List $12.00. NET..... **$7.05**

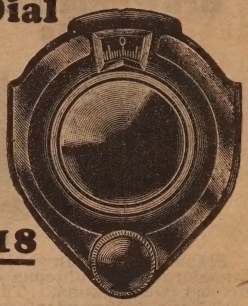
Genuine Bakelite Dials



Genuine molded Bakelite. Beautifully finished tapered milled knob, just fits the fingers. Deeply etched, enameled calibrations accurately and sharply made. All dials matched. **An extraordinary and wonderful value at our special price.** For ¼ in. shaft. Has long set screw. Wt., 6 oz.

No. 2246.	Black, 2 in.....	**15c**
No. 2247.	Mahogany, 2 in...	
No. 2248.	Black, 3 in.....	**19c**
No. 2249.	Mahogany, 3 in...	
No. 2250.	Black, 4 in.....	**22c**
No. 2251.	Mahogany, 4 in...	

Kurz-Kasch Vernier Dial

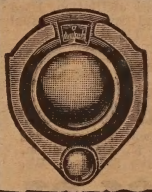


The Kurz-Kasch Dials have well earned the name "Aristocrat of Dial." This new black, highly polished bakelite vernier dial is novel and beautiful in design. **The vernier action is smooth and the reduction high, enabling extremely fine tuning.** The popular friction method of reduction is employed, thus the movement is smooth without play or backlash. Popular, beautiful and efficient. **Easily mounted to any set.** Wt., 6 oz.

No. 2229. 200 to 0.
No. 2230. 0 to 200.
No. 2231. 100-0-100.

LIST PRICE $2.00

YOUR PRICE $1.20 Less 2%..... **$1.18**

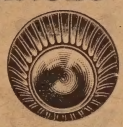


New K-K Miniature Port Dials

New Miniature dial same as above except it is 3 in. in diameter. Beautiful with a fine working vernier. A real value. Wt., 6 oz.

No. 1918. List, $1.25.
YOUR PRICE **73c**

BAKELITE KNOBS



Beautiful Bakelite. Walnut and black tapered knobs. Large size for central control. Small size for rheostat, switch or volume control. **The latest type.** Wt., 2 oz.

No. 1919. Large Size (1¾). NET.... **15c**

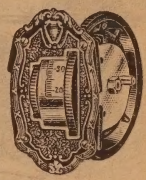
No. 1920. Small Size (1¼). NET.... **10c**

BAKELITE POINTER KNOBS

Genuine Bakelite molded with pointer. Finely tapered and milled knob. Fits ¼ in. shaft. Pointer gracefully tapered and gold etched. Exceptional value. 2⅜ in. diameter with ½ in. pointer. Wt., 2 oz.

BLACK	MAHOGANY
No. 2252. **15c**	No. 2253. **17c**

PILOT VERNIER DRUM



New drum dials attractive in appearance. Provide high and low ratio vernier action for fine tuning. Easy to attach with any condensers. Smooth action, no back lash. Condensers can be mounted on both sides of drum. Furnished with beautiful escutcheon plate. Wt., 2 lbs.

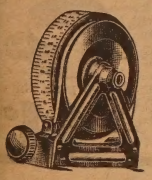
No. 2236. Single Drum. List, $4.00. YOUR PRICE, **$2.35**

No. 2237. Double Drum. List, $7.00. YOUR PRICE, **$4.10**

BAKELITE VERNIER KNOB

No. 2255. Genuine Bakelite finely milled, highly polished vernier knob. Provides ease of micrometric vernier control with sets having etched panels. **Adaptable for use with the etched dial plate. Illustrated.** Wt. 3 oz. **List, 50c. NET..... 25c**

Marco Illuminated Drum



Marco's latest product. Wire drive on drum. No backlash. An almost perfect mechanical job. **Smooth running and finely finished. Easily mounted.** The dial is numbered on both sides. A wonderful value. No worms or gears. Wt., 1 lb.

No. 1921. List, $3.50. YOUR PRICE **$2.06**

Marco Illuminated Vernier Dial

With exception of the small knob and window, the entire dial is mounted behind the panel. The calibrated scale is translucent. **A small light is mounted behind scale, illuminating it through the window.**

No. B2259. 0 to 100.
No. B2260. 100 to 0.
No. B2261. Marco 360°.

Illuminated For Remler condensers. Wt., 1 lb.
List Price, $3.00.
YOUR PRICE **$1.76**

Rheostat Knob

Genuine molded Bakelite rheostat knob with etched arrow pointer. Finely finished and polished. Finishes off the appearance of any panel. Wt., 2 oz.

Black	Mahogany
No. 2227.	No. 2228.
12c	**12c**

BAKELITE POINTER RHEOSTAT KNOB

Genuine Bakelite finely finished small pointed knob for rheostat or oscillation control. The pointer is gold etched and the knob is finely tapered and milled. Improves set's appearance. Wt., 2 oz.

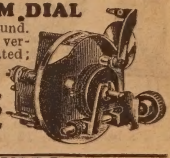
Black	Mahogany
No. 2225.	No. 2226.
15c	**17c**

HAMMERLUND DRUM DIAL

The latest product of Hammerlund. Beautiful escutcheon plate. Fine vernier, new style drive. Illuminated; a wonderful product.

Priced without bulb. Wt., 2 lbs.

No. 2254. List, $4.00. YOUR PRICE **$2.35**

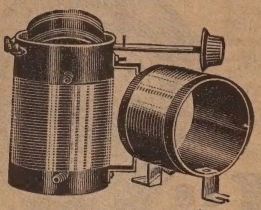


REPLACEMENT BULBS

No. 2256. Tiny Mazda lamps for all types illuminated vernier and drum dials. Also for Pilot Lites and Switches. Works off 6-volt battery. **YOUR PRICE..... 15c**

The New Low Loss Coils, Tuners & Choke

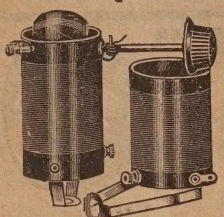
Browning Drake Coils



Standard size Browning Drake transformer and antenna coil. Enameled wire wound. Tuned with .00035 and .0005 condensers. Range, 200-550 meters. Wt. 9 oz.

No. 2302. List $6.00. YOUR PRICE **$2.20**

New Browning Drake Small Space Wound Coils

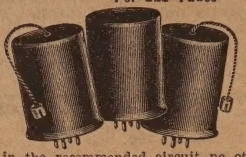


Improved 2 inch space wound coils. Has slot-wound primary. Secondary tuned with .00035 Mfd. Condenser. Antenna coil tuned with .0005 Condenser. Enameled wire makes for durability and dependable operation regardless of atmosphere. Wt. 9 oz.

No. 2661. List $5.50. YOUR PRICE..... **$3.23**

Screen Grid Shielded Plug-In Coils

For 222 Tubes



A new type of plug-in coil for either A-C or battery operated sets. When these coils are properly placed in the recommended circuit no other shielding is necessary to suppress oscillation. Used with .00035 condenser and covers the usual 200-550 meter band. Wt. 1½ lbs.

No. 2664. List per Set, $12.00. YOUR PRICE **$7.05**

Shield Grid Tuner

Designed for sets in which a type 222 tube is employed for R. F. Amplification, followed by a regenerative detector. Wt. 8 oz.

No. 2665. List, $1.75. YOUR PRICE **$1.03**

Selecto Three Circuit Tuner

A 90 degree three circuit tuner. Being specified in many high-efficiency broadcast circuits. Basket weave—low loss. Covers usual 200-550 meters and tunes to .0005 variable tuning condenser. Packed individually. Wt. 14 oz.

No. 2311. List Price, $1.75. YOUR PRICE..... **98c**

Shielded Plug-In Coils

A kit of three shielded plug-in R. F. coils designed for use with the new type 226 A.C. tubes. Will cover the wave band of 200 to 550 meters when tuned with a .00035 condenser. Scientific means of shielding assures the elimination of practically all oscillations. Wt. 2 lbs. 2 oz.

No. 2669. List per Set, $6.00. YOUR PRICE..... **$3.52**

Three Circuit Tuner

A highly accurate tuner. Bakelite-Duco Blue finish. Range 200-570 meters. Tunes with .0005 condensers. Wt. 15 oz.

No. 2670. List, $1.25. YOUR PRICE.. **73c**

RF Coil to Match

No. 2671. List 75c. YOUR PRICE....44c

Short Wave Tuner

Low loss three circuit tuner. Tuned with .0005 condenser. Well suited for short wave kit. Wt. 12 oz.

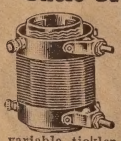
No. 2305. List Price, $2.00. YOUR PRICE..... **$1.09**

Basket Weave Coils

Low loss self supported coils for radio frequency circuits. Minimized distributed capacity. Color coded. For use with .00035 condenser. Wt. 14 oz.

No. 2312. Set of three Coils. YOUR PRICE..... **94c**

Uncle Sam Double Rotor Tuner



A Variable Tuner with two rotors, one of which is a variable primary for any degree of selectivity. The second rotor is a variable tickler coil for regeneration. Tune with .0005 condenser.

No. 2662. Wt. 1 lb. List $5.00. YOUR PRICE **$2.35**

R. F. Choke Coil

A standard grade coil for general use wherever a quality choke is specified. Electrically correct. Accurate. Wt. 6 oz.

No. 2666. List, 90c. YOUR PRICE .. **53c**

Benjamin Lekeless

Of basket weave type construction, space wound by special process. Adaptable for use with any tubes including the new A-C tubes. Double green silk covered. Used with .00035 S. L. F. Condensers. Wt. 1 lb. 5 oz.

No. 2667. List, $2.50. YOUR PRICE **$1.47**

Short Wave Choke

A characteristically efficient choke coil for the short wave sets. Accurate and dependable. Built for durability and results. Wt. 8 oz.

No. 2668. List, 90c. YOUR PRICE.. **53c**

Bodine Twin 8

An efficient coil for R. F. circuits where it is desired to easily control oscillation. Extremely low loss. Technically, the magnetic field is concentrated almost entirely within the coil itself. See magazines for its many uses. Wt. 1 lb.

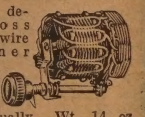
No. 2672. List Price, $2.00. YOUR PRICE .. **$1.18**

Short Wave Converter Plug

The short-wave plug all amateurs or experimenters will need with their new sets. Ruggedly constructed to withstand all normal requirements. Wt. 8 oz.

No. 2674. List, 80c. YOUR PRICE **47c**

Low Loss Tuner



A good 180 degree Low Loss Tuner, silk wire wound. A tuner that experimenters and home set builders will prefer. Packed individually. Wt. 14 oz.

No. 2673. List, $1.90. YOUR PRICE **95c**

R. F. Choke

A sturdily constructed choke, entirely encased, making it air and moisture proof. Base or panel mounting. Convenient binding posts simplify wiring. Wt. 6 oz.

No. 2675. List Price, 75c. YOUR PRICE **44c**

Air King Short Wave Coil Kit

The new Air King Short Wave Kit consists of three plug-in coils ranging from 15 to 130 meters (when tuned with a .00014 condenser), and a plug-in base with variable primary. Each coil accurately space-wound on a bakelite squirrel cage form, with ribs threaded to lock each turn in place. Perfect connection assured by double contact between coil prongs and the jacks in the base. Wt., 12 oz.

No. 2663. List, per Set, $12.50. YOUR PRICE **$6.12**

Short Wave Plug-In Coils

A set of four coils which make possible reception on all wave lengths between 16 and 210 meters. Tuned with .00015 condensers. The coils are wound on moulded bakelite forms, with a standard UX type tube socket as base. The windings are properly spaced for low resistance operation at high frequencies. Low-loss construction. Wt. 8 oz.

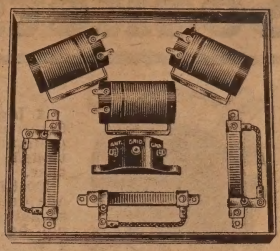
No. 2676. List per Set, $3.50. YOUR PRICE **$2.06**

Space Wound Plug-In Coils

Tuning inductances that are decidedly different both in design and efficiency. Most simple coil on market to install. Merely plugs into ordinary UX type socket. Positive contacts insure good results. **Tunes with .00035 Condenser. Furnished in Matched sets of three.** Wt. 1 lb.

No. 2272. List Price, $2.00. YOUR PRICE.. **$1.18** Per Set

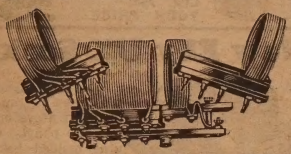
Six Tube Coil Set With Antenna Inductance



A high grade T. R. F. 6-tube essential Kit, consisting of 3 Bakelite Space Wound and Threaded Coils, 3 Variable grid suppressors 0-1000 Ohms, 1 Antenna Inductance, and wiring data. With a few additional parts you have an economical assembly for an efficient 6-tube set. All parts of latest design—a Kit for home set builders and experimenters. Requires 3 .00035 condensers or 1 3-gang condenser. Wt., 1 lb.

No. 2655. List $5.00. YOUR PRICE **$2.79**

Short Wave Coil Kit



Set of 3 interchangeable low loss short wave coils, complete with base. **20 to 250 meters.** Tunes with one .00014 or .00017 and one .00035 condenser. Wt., 1 lb.

No. 1158. YOUR PRICE.. **$3.50**

Plug-in Coil. **250-550 meters.** Interchangeable with above short wave coils. Covers broadcast range. Wt., 8 oz.

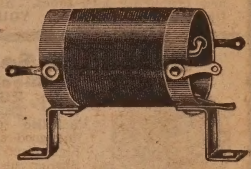
No. 1159. YOUR PRICE... **$1.15**

Midget Solenoid Coils

Efficient high grade coils. Good for any circuit where accurate R. F. coils are required. May be used on single or multi-gang condensers for simplification of panel layout. Tunes with .00035 tuning condensers. Wt. 12 oz.

No. 2271. List $1.00, Set of Three. YOUR PRICE..... **59c**

Space Wound R. F. Coils

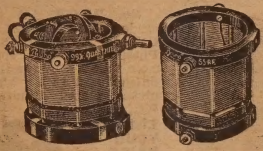


Accurate R. F. Coils of the efficient space wound type. Enameled wire on bakelite tubing make for low loss. May be used with multi-gang condensers for single dial control or on regular separate condensers. Tuned with .00035 condenser. Wt. 6 oz.

No. 2314. List, each, $1.00. YOUR PRICE..... **40c**

No. 2315. List, Sets of 3, $3.00. YOUR PRICE..... **$1.20**

Bruno 99 Tuner and R. F. Coil



"Diamond of the Air" and other similar kits require this type of coil. Engineers have perfected these coils and they are completely matched for maximum efficiency. Tuner used in any circuit where 3-circuit tuner is required. Tunes with .0005 condenser. Wt. 8 oz.

No. 2282. No. 99 Tuner (left). List Price, $5.50. YOUR PRICE..... **$3.22**

No. 2283. R. F. Coil (right). List Price, $3.00. YOUR PRICE..... **$1.76**

Dubilier R.F. Duratran

A popular self-tuned transformer, requiring no tuning condenser. Usually employed in Reflex circuits. This transformer simplifies construction of set. Wt. 10 oz.

No. 2115. List $4.00. YOUR PRICE **$2.35**

Honeycomb Coils

Exceedingly popular for long and short-wave reception. Fit standard mountings. Low distributed capacity. Wt., 4 to 16 oz.

No.	Price, Unmounted	No. of Turns	Wavelength Range	No.	Price, Mounted
2284	$0.26	25	120-250	2293	$0.68
2285	.29	35	175-450	2294	.70
2286	.31	50	250-720	2295	.72
2287	.35	75	390-910	2296	.75
2288	.40	100	500-1,450	2297	.79
2289	.42	150	600-2,000	2298	.81
2290	.80	1,000	4,000-10,000	2299	1.25
2291	1.33	1,250	9,750-19,500	2300	1.80
2292	1.55	1,500	14,500-26,500	2301	1.90

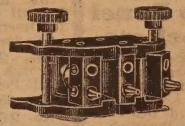
Acme R. F. Transformers

A quality self-tuned transformer of good design with conveniently located binding posts. Used generally in R. F. and Reflex sets. Wt. 12 oz.

No.		
2116.	R-2	1st stage.
2117.	R-3	2nd stage.
2118.	R-4	3rd stage.

List, $3.00. YOUR PRICE **$1.76**

DeForest Coil Mounting



Mountings for popular honeycomb coils. Molded bakelite. Low loss. Experimenters and amateurs choice.

No. 2279. 3 Coil Mtg. List $5.00.
No. 2280. 2 Coil Mtg. List $3.50.
No. 2281. Inside Coil Mounting.

List Price, $6.00. YOUR PRICE.... **$1.40**

Fibre Coil Strap

Used for mounting honeycomb coils in connection with standard coil plug. **Two foot length. No. 2399. YOUR PRICE** . **8c**

Honeycomb Coil Plug

A superior moulded plug that fits all standard mountings for honeycomb coils. For base or panel mounting. Wt., 6 oz.

No. 2398. YOUR PRICE **25c**

Antenna Inductance

No. 2652. A new Antenna Inductance for first RF stage in single control circuits to compensate for antenna variations.

List Price, 75c. YOUR PRICE **44c**

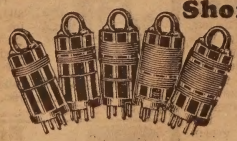
Low Loss Tuner

A low priced high efficiency tuner for all set builders and experimenters. A 180 degree three-circuit tuner with coils wound of green silk-covered wire. Covers 200-550 meters and tunes with .00035 variable tuning condenser. Wt., 1 lb.

No. 2653. Tuner List, $1.90. YOUR PRICE..... **95c**

No. 2654. R.F. Coil to Match Tuner. List, $1.50. YOUR PRICE... **73c**

Short Wave Plug-In Coils



A new idea in Plug-In Coils that is approved by leading short wave reception authorities. They plug into an ordinary 5 prong socket and make perfect contact. Use only small space for installation, since the dimensions of each coil are but 1½ inches in diameter and 2½ inches high. Losses reduced to a minimum by accurate winding on a ribbed form of genuine bakelite. Each coil fitted with a different colored bakelite ring permitting ready identification of the different wave lengths. Set consists of five coils covering a meter range of 17 to 30, 30 to 52, 48 to 105, 73 to 202 and 200 to 500 meters. Wt., 1½ lbs.

No. 2656. List per set $8.50. YOUR PRICE **$4.85**

Sockets and Tube Shields

Bakelite UX Socket

A high grade socket of genuine moulded bakelite. Small and compact—a favorite where space is at a premium. Contacts are phosphor bronze, heavily tinned. Contact springs are firmly riveted into the base.

Positive Side Wiping Contacts. These sockets are adaptable for sub panel mounting. One of the finest sockets on the market today. **Their low price should not be confused with their quality** Wt., 4 oz.

No. 2201. List, 50c. YOUR PRICE..... **13c**

Five Prong Socket for A. C. Tubes

The same in design as the standard UX socket above, but accommodates the new five prong A.C. tubes. An exceptional value. Wt., 4 oz.

No. 2202. List, 75c. YOUR PRICE..... **22c**

DeJur UX Socket

Shock-Proof

No. 2601. A high grade genuine moulded bakelite socket, combining good appearance with high electrical efficiency. Spring suspension avoids microphonic howls. Wt., 4 oz.

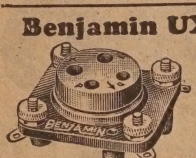
List, 50c. YOUR PRICE **27c**

UY Socket for A. C. Tubes

No. 2602. Same construction as the shock-proof socket above; has five holes to take new A.C. tubes.

List, 75c. YOUR PRICE **42c**

Benjamin UX Sockets



Cushion Type

Standard spring suspended Benjamin sockets. These are sockets that are specified in practically all of the new kits. Nationally known and advertised. Wt., 4 oz.

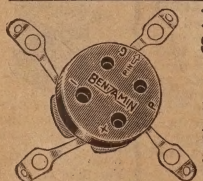
No. 2210. List, 75c. YOUR PRICE..... **44c**

No. 2211. 201A type. List, $1.00. YOUR PRICE..... **59c**

Benjamin UY Socket

No. 2213. Standard. For 5 prong A.C. tubes. Wt., 4 oz. List, $1.00. YOUR PRICE..... **59c**

Benjamin Sub Panel Sockets



These sockets are furnished without base for direct sub panel mounting. Standard Benjamin quality throughout. Wt., 3 oz.

No. 2206. For ⅛ in. panel.
No. 2207. For ¼ in. panel.
List, 50c. YOUR PRICE **29c**

No. 2208. Five prong sub panel socket for new A.C. tubes, for either ⅛ in. or ¼ in. panel. Wt., 3 oz.

List, 75c. YOUR PRICE..... **44c**

Amsco Floating Socket

No. 2214. A rugged, sturdy, yet delicately balanced floating socket providing perfect isolation from mechanical shock. Heavy phosphor bronze contacts. Body of molded bakelite attractively finished in mottled green. Wt., 4 oz.

List, 65c. YOUR PRICE **38c**

Amsco Plain Sockets

No. 2603. A universal socket for all tubes having UX and CX bases. Contacts are heavy phosphor bronze springs. Mounts with only one screw. Wt., 4 oz.

List, 35c. YOUR PRICE..... **21c**

The Popular Socket

Frost UX Sockets

No. 2215. An efficient socket with German silver springs which make contact over practically the entire length of the tube prongs. Genuine molded black bakelite, highly polished. Wt., 4 oz.

List, 40c. YOUR PRICE.. **24c**

Set Builders' Socket

Frost Sub Panel Sockets

No. 2217. For mounting to sub base. Wt., 4 oz. List, 40c.

YOUR PRICE..... **24c**

Na-ald Sockets

Perfectly cushioned socket providing free motion in all directions. Positive phosphor bronze triple locked contacts. Genuine molded bakelite body. Wt., 4 oz.

No. 2604. List, 65c. YOUR PRICE..... **38c**

No. 2605. Na-ald No. 427 Socket. For 5 prong tubes. Wt., 4 oz. List, 50c. YOUR PRICE..... **29c**

No. 2606. Na-ald No. 426 Socket. For all types UX tubes. Has ring guide for inserting tubes. Wt., 4 oz. List, 50c. YOUR PRICE..... **29c**

No. 2607. Na-ald No. 422 Socket. For sub panel mounting. Only one screw used. Positive contacts. Wt., 4 oz. List, 35c. YOUR PRICE..... **21c**

No. 2608. Na-ald No. 423 Socket. Five prongs for sub panel one screw mounting. Terminals project below sub base. Guide ring for insertion of tubes. Wt., 4 oz.

List, 35c. YOUR PRICE..... **21c**

Pilot UX Sockets

Shock-Proof

No. 2609. A spring suspended socket mounted on four especially tempered phosphor bronze springs, which eliminates all vibration. For standard UX and UV tubes. Wt., 4 oz. List, each 50c.

YOUR PRICE..... **29c**

Braxton-King Tube Shields

No. 2610. Braxton-King tube shields are highly recommended for use with the new shieldgrid tubes. These shields are well designed, efficient and the last word in practical tube shielding. Wt., 5 oz.

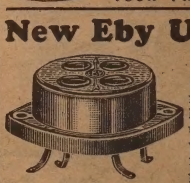
List, 65c. YOUR PRICE. **35c**

Tube Shields for UX 222 Tubes

No. 2611. These shields are the result of careful experimenting to produce a practical shield that can be used with these sensitive tubes in practically any circuit. The low price should not be confused with their quality, as nothing has been spared to make them the finest on the market. Wt. 5 oz.

List, 75c. YOUR PRICE.. **35c**

New Eby UX Socket



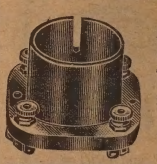
No. 2612. Eby sockets can be mounted above or below sub panel. Genuine molded bakelite with built in guide for tube prongs. Phosphor bronze contacts. Attractive in appearance. Wt., 4 oz.

List, 40c. YOUR PRICE..... **24c**

No. 2613. For A.C. Tubes. Similar to the Eby socket listed above except for five prong A.C. Tubes. Wt., 4 oz.

List, 50c. YOUR PRICE..... **29c**

Universal Socket



No. 2204. A high grade quality socket for UV or UX six volt tubes. Phosphor bronze spring contacts. Attractively finished with highly nickel plated terminals. Wt., 4 oz.

List, 60c. YOUR PRICE **22c**

Carter Tube Shields

Designed for the new type 322 shieldgrid tube. The shield covers entire tube including the base. Top of tube shield is removable for placing the connector on the grid terminal of the tube. Built to the famous Carter standard of quality. Wt., 5 oz.

No. 2614. Tube Shield only.

List, $1.50. YOUR PRICE.. **88c**

No. 2615. Adapter Ring. For use with the tube shield. Fits over socket and provides a firm base for the shield. Wt., 3 oz. List, 35c. YOUR PRICE.... **20c**

No. 2616. Connector with Shielded Wire. Consists of connector for grid element and shielded wire lead. A necessary component of the Carter tube shield. Wt., 3 oz.

List, 50c. YOUR PRICE..... **29c**

Sub Panel Sockets

Extra Heavy Spring

No. 2617. For quantity users this special job is highly recommended. Sturdy construction. Extra heavy springs insure positive contact. So designed that they cannot get out of order—a feature which set builders will appreciate. For all types of UX tubes. Wt., 4 oz.

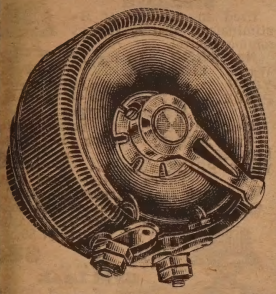
List, 50c. YOUR PRICE..... **9c**

No. 2618. For A.C. Tubes. Same as socket listed above except for five prong A.C. tubes. A real value. Wt., 4 oz.

List, 65c. YOUR PRICE..... **9c**

CUT PRICES FOR SET BUILDERS

OUR METAL RHEOSTAT



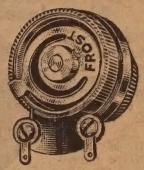
A metal frame, ruggedly constructed rheostat. Provided with knob. For general use. Wt. 6 oz.

No. 3571.	4 ohm.	List, 75c each
No. 3572.	6 ohm.	YOUR PRICE,
No. 3573.	10 ohm.	**34c**
No. 3574.	20 ohm.	
No. 3575.	25 ohm.	
No. 3576.	30 ohm.	
No. 3577.	40 ohm.	

Metal rheostat with filament switch. Wt. 8 oz.

No. 3578.	4 ohm.	List, $1.10 each
No. 3579.	6 ohm.	YOUR PRICE
No. 3580.	10 ohm.	**48c**
No. 3581.	20 ohm.	
No. 3582.	25 ohm.	
No. 3583.	30 ohm.	
No. 3584.	40 ohm.	

Frost Gem Rheostats



Where a small rheostat is needed this one is very handy. Remarkable smoothness in operation. Set builders' special. Wt. 6 oz.

No. 3630. 6 ohm.
No. 3631. 10 ohm.
No. 3632. 20 ohm.
No. 3633. 30 ohm.
List, 75c. YOUR PRICE.. **44c**

Gem Rheostats With Switch

Wt. 6 oz. Reduces panel controls. Positive action. Wt., 6 oz.

No. 3634. 6 ohm.
No. 3635. 10 ohm.
No. 3636. 20 ohm.
No. 3637. 30 ohm.
List, $1.00. YOUR PRICE.. **59c**

Gem Potentiometers

Same general construction as rheostat. Black pointer knob included. Wt. 6 oz.

No. 3638. 200 ohms. List, $1.00.
No. 3639. 400 ohms. YOUR PRICE..... **59c**

Carter Midget Rheostats

Complete with Black Arrow-pointer Knob. Only 1⅛ inches in diameter. Wt. 6 oz.

No. 3501.	2 ohm.	YOUR PRICE
No. 3502.	6 ohm.	
No. 3503.	10 ohm.	List 50c **29c**
No. 3504.	20 ohm.	
No. 3505.	25 ohm.	
No. 3506.	30 ohm.	

Carter Midget Potentiometers

A handy device. Ruggedly constructed for the new A.C. sets. Wt., 6 oz.

No. 3518. 200 ohms. List, 75c.
No. 3519. 400 ohms. YOUR PRICE..... **44c**

Frost Gem Hum Balancers

Designed to overcome A-C ripple in alternating current operated sets. Used in up-to-date sets. Wt. 6 oz.

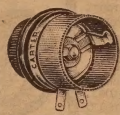
No. 3621. 6 ohm. List, $1.00.
No. 3622. 20 ohm. YOUR PRICE **59c**

Carter Heavy Duty Midget Rheostats

Has ¾-in. resistance strip, yet is small and affords considerable radiating surface. Wt., 6 oz.

No. 3585.	2 ohm.	
No. 3586.	3 ohm.	
No. 3587.	6 ohm.	List, 75c.
No. 3588.	10 ohm.	YOUR PRICE
No. 3590.	20 ohm.	**44c**
No. 3592.	30 ohm.	

Carter Hi-Watt Rheostats



A super heavy duty rheostat for high voltage. Dissipates 50 watts. "Ribbon" wound on Asbestos. For power supply devices and small motors. Wt. 8 oz.

No. 3528.	6 ohm.	List, $1.75.
No. 3529.	10 ohm.	YOUR PRICE
No. 3530.	20 ohm.	**1.03**
No. 3531.	30 ohm.	
No. 3532.	50 ohm.	
No. 3533.	100 ohm.	

Carter Midget Volume Controls

Compact and reliable. Shunted across Aerial and Ground in the new A-C sets it makes ideal volume control. Wt. 6 oz.

No. 3525. 1000 ohms. List, 75c. YOUR PRICE..... **44c**
No. 3526. 3000 ohms. List, $1.00. YOUR PRICE..... **59c**

Carter Midget Rheostats With Switch

Simplifies panel controls by combination of rheostat and filament switch in one small device. Designed for "particular" set builders. Wt. 8 oz.

No. 3507.	2 ohm.	List, $1.00
No. 3509.	6 ohm.	YOUR PRICE
No. 3510.	10 ohm.	
No. 3512.	20 ohm.	**59c**
No. 3513.	25 ohm.	
No. 3514.	30 ohm.	

Self-Adjusting Rheostats

The automatic filament control. Wt. 4 oz.

No. 3554. No. 1-A—¼ Amp. Type. For all 201-A and 300-A type tubes.
No. 3555. No. 112—½ Amp. Type. For all 112 and 171 type tubes.
No. 3553. No. 120. For the 120 and 220 type tubes.
No. 3551. No. 4V-199. For all 199, 299 and DV-3 type tubes.
No. 3558. No. 622 for 222 shield grid tube with 6-volt battery .....
No. 3559. No. 226 for 226 A.C. Tube. YOUR PRICE ...
No. 3560. No. 227 for 227 A.C. Tube.....
No. 3552. No. 6V-199. For all 199 and 299 type tubes when used on 6 volt "A" battery.
No. 3556. No. 3-A—¾ Amp. Type. To control ¾ Amp and 5 volts on 6 volt "A" battery.
No. 3557. No. 4-A—1 Amp Type. To control 1 Amp and 5 volts on 6 volt "A" battery.
List, $1.10 each.
64c

Carter Tapered Volume Control

Molded bakelite frame. For use in new A-C circuits to be placed across Aerial and Ground for sensitive volume control. Wt. 6 oz.

No. 3520. 1000 ohms.
No. 3521. 3000 ohms. List, $1.50. YOUR PRICE..... **88c**
No. 3522. 5000 ohms. List, $1.75. YOUR PRICE. **$1.03**

Carter Imp Rheostats

This small rheostat projects less than ⅜ inch back of panel. Wt. 6 oz.

No. 3605. 6 ohm.
No. 3606. 10 ohm.
No. 3607. 20 ohm.
No. 3608. 25 ohm.
No. 3609. 30 ohm.
List, $1.00 YOUR PRICE .. **59c**

Carter Imp Potentiometers

All metal frame—self cooling. Same general design as Carter "Imp" rheostat. Wt., 6 oz.

No. 3620. 200 ohms. List, $1.25.
No. 3610. 400 ohms. YOUR PRICE..... **73c**

Frost Potentiometers

Equipped with attractive pointer knob. Wt., 6 oz.

No. 3680. 200-ohm.
No. 3664. 400-ohm.
No. 3681. 20-ohm, for A.C. Tubes. List, $1.25. YOUR PRICE..... **73c**

Frost DeLuxe Bakelite Rheostats

No. 3655. 2 ohm.
No. 3656. 3 ohm.
No. 3657. 6 ohm.
No. 3658. 10 ohm.
No. 3659. 15 ohm.
No. 3660. 20 ohm.
No. 3661. 25 ohm.
No. 3662. 30 ohm.
No. 3663. 50 ohm.
List, $1.00. YOUR PRICE **59c**

With Filament Switch

No. 3676.	2 ohm.
No. 3677.	3 ohm.
No. 3665.	6 ohm.
No. 3666.	10 ohm.
No. 3678.	15 ohm.
No. 3667.	20 ohm.
No. 3668.	25 ohm.
No. 3669.	30 ohm.
No. 3679.	50 ohm.

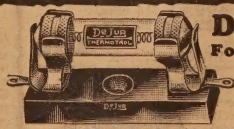
List, $1.35. YOUR PRICE **79c**

Carter Tapered Potentiometers

These have a curved line or tapered resistance characteristic. Wt. 6 oz.

No. 3523. 1000 ohms. List, $1.75. YOUR PRICE **$1.03**
No. 3524. 5000 ohms. List, $2.00. YOUR PRICE.. **$1.18**

De Jur Thermotrols For Controlling Tube Filaments



Wt. 4 oz.

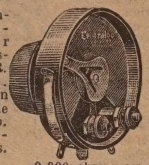
No. 3535. No. 1—.25 Amp. 6 V. Bat. 1—201A, 112A, 171A.
No. 3536. No. 2—.5 Amp. 6 V. Bat. 1—171, 112 or 2-201A.

No. 3537.	No. 3—.06 Amp.	4 V. Bat. 1—199 or 299.
No. 3538.	No. 4—.125 Amp.	4 V. Bat. 1—120 or 220.
No. 3539.	No. 5—.25 Amp.	1½ V. Bat. 1—WD-12.
No. 3540.	No. 6—1. Amp.	6 V. Bat. 1—201A or 301A.
No. 3541.	No. 7—.75 Amp.	6 V. Bat. 3—201A or 301A.
No. 3542.	No. 8—1.25 Amp.	6 V. Bat. 5—201A or 301A.
No. 3543.	No. 9—1.5 Amp.	6 V. Bat. 6—201A or 301A.
No. 3544.	No. 10—.125 Amp.	6 V. Bat. 1—UX-201B.
No. 3545.	No. SG22 .132 Amp.	3.3 V. Bat. 1—UX-222.
No. 3546.	No. AC27 1.75 Amp.	2½ A.C. 1—UX-227.
No. 3547.	No. AC26 1.05 Amp.	1½ A.C. 1—UX-226.

List with mounting, 85c. YOUR PRICE .. **50c**
List without mounting, 60c. YOUR PRICE... **35c**

Volume Controls & Resistances

C. R. L. Radiohm and Modulators



Variable non-inductive resistance for controlling oscillation in R. F. circuits. Full variation with single turn of knob. Positive contact. Noiseless.

No. 3694.	2,000 ohm max.	
No. 3695.	50,000 ohm max.	
No. 3696.	100,000 ohm max.	
No. 3697.	200,000 ohm max.	
No. 3698.	500,000 ohm max.	
List, $2.00. YOUR PRICE.....		**$1.18**
No. 3699.	C.R.L. 400 ohm Potentiometer.	
List, $2.00. YOUR PRICE.....		**$1.18**
No. 3700.	C.R.L. 2000 ohm Potentiometer.	
List, $2.00. YOUR PRICE.....		**$1.18**

C. R. L. Radiohm and Filament Switch

Same as above except equipped with filament switch.

No. 3701.	0-200,000 ohms.	
No. 3702.	0-500,000 ohms.	
List Price, $2.30. YOUR PRICE....		**$1.35**

C. R. L. Modulator

No. 3703.	250,000 ohm max.	
No. 3704.	500,000 ohm max.	
List, $2.00. YOUR PRICE....		**$1.18**

C. R. L. Switch Type Modulator with "A" Battery Switch.

No. 3705.	250,000 ohms max.	
No. 3706.	500,000 ohms max.	
List, $2.50. YOUR PRICE....		**$1.47**

Radiohms for A-C Sets

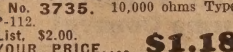
No. 3733. Special Resistance Taper Type RX-100.

No. 3734. Special Resistance Taper Type RX-025.

No. 3735. 10,000 ohms Type P-112.

List, $2.00. YOUR PRICE.... **$1.18**

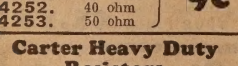
Carter Wire Wound Resistance Units



For reducing voltage where 199 and 201A tubes are used in combination from one rheostat.

No.		
4246.	4 ohm	List, 15c YOUR PRICE
4247.	6 ohm	
4248.	8 ohm	
4249.	10 ohm	
4250.	20 ohm	
4251.	25 ohm	
4252.	40 ohm	
4253.	50 ohm	**9c**

Carter Heavy Duty Resistors



Used for reducing filament voltages and as stabilizers in grid circuits.

No.		
4228.	1 ohm	List, 25c YOUR PRICE
4229.	2 ohm	
4230.	4 ohm	
4231.	6 ohm	
4232.	10 ohm	**14c**
4233.	20 ohm	
4234.	30 ohm	
4235.	50 ohm	
4236.	100 ohm	List, 30c YOUR PRICE
4237.	300 ohm	
4238.	500 ohm	
4239.	1000 ohm	**17c**

Poly Claroplug

Good quality plug. Protects loud speaker. Clarifies reception. Reduces extraneous noises to a minimum.

No. 3714. List, $1.50. YOUR PRICE.... **88c**

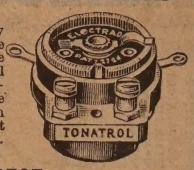
Carter Portable Volume Control

Many practical uses with radio sets, loud speakers and phonographs. Provides smooth, even, dependable control.

No. 3769. Speaker and Phonograph Pick-up Type. List, $2.50. YOUR PRICE..... **$1.47**

No. 3770. Aerial-Ground Type for A-C Sets. List, $2.00. YOUR PRICE..... **$1.18**

Electrad Tonatrols



A new variable volume control of reasonable high current capacity.

No. 3707. Standard. List, $1.50. NET **88c**

No. 3708. Battery Sw. List, $2.00. NET **$1.18**

No. 3736. Power Sw. List, $2.50. NET **$1.47**

Electrad Royalty Variable Resistance

For oscillation or volume control. Resistance constant.

No. 3709. Type J, 0-200,000 ohms. List, $1.50. NET..... **88c**

No. 3710. Type L, 0-500,000 ohms. List, $1.50. NET..... **88c**

Frost Universal Variable Resistances

May be used as Modulators or for Oscillation Control

Perfectly smooth and noiseless, both mechanically and electrically. Easy to connect. Conform to the well known Frost standard of quality.

No. 3715.	2,000 ohms	
List, $2.25. YOUR PRICE		**$1.32**
No. 3718.	50,000 ohms.	
No. 3720.	200,000 ohms.	
No. 3721.	500,000 ohms.	
List, $2.00. YOUR PRICE		**$1.18**

With A-C Snap Switch

Equipped with positive action A-C switch of the popular toggle type special construction. Particularly designed for the new A-C Sets.

No. 3771.	5,000 ohms	
No. 3772.	10,000 ohms	
List, $3.00. YOUR PRICE		**$1.76**
No. 3773.	25,000 ohms	
No. 3774.	200,000 ohms	
No. 3775.	500,000 ohms	
List, $2.75. YOUR PRICE		**$1.62**

With Battery Switch

Standard Frost Variable Resistances equipped with 6 volt filament switch. The switch is of the quick operating type with positive "off" position.

No. 3725.	200,000 ohm...	List, $2.35 YOUR PRICE
No. 3726.	500,000 ohm....	**$1.38**

Carter Center Tapped Resistors

Being used in A-C sets as well as others. Requires small space and is accurate.

No. 4222.	6 ohm.	
No. 4223.	10 ohm.	
No. 4224.	20 ohm.	
List, 25c. YOUR PRICE.....		**14c**

Pilot Resistograd

A non-inductive quiet variable resistor for use as voltage regulator. Perfect insulation. Range from about zero to 30 megohms. Ideal for use with "B" Eliminators—for oscillation or volume control—or for use as a variable grid leak.

No. 3675. List, $1.00. YOUR PRICE..... **59c**

C. R. L. Modu-Plug

A volume control-phone plug combined. Can be substituted for any standard phone plug. Obtains better tone quality. Controls volume from whisper to maximum. **Standard type** is for sets with jacks. **Cord type** is for set without jacks, but with speaker binding posts. Has a 24 inch phone cord. **The "easy chair"** has 20 feet of cord for remote control of volume.

No. 3711. Standard Modu-plug.

No. 3712. Cord type Standard Modu-plug.

List, $2.50. YOUR PRICE... **$1.47**

No. 3713. Easy Chair Modu-plug. List, $3.00. YOUR PRICE..... **$1.76**

Clarostats

Standard

Used in majority of B-eliminators, also in sets as volume control.

No. 3689. Rating 20 Watts. List, $2.25. YOUR PRICE..... **$1.32**

Power Type

Used in heavy duty power units.

No. 3690. Rating 40 Watts. List, $3.50. YOUR PRICE **$2.0**

Volume Control To control plate voltage, regeneration, stabilization, volume and tone.

No. 3693. Rating 7 Watts. List, $1.50. YOUR PRICE..... **88**

Grid Leak

Range of 1/10 to megohms. Desirable short-wave reception. Also for A.C. detector tubes.

No. 3692. List, $1.5 YOUR PRICE..... **88**

Table Type

Portable control to vary loud speaker volume. Has two connection cords with tips, and tip connector block. Has felt base.

No. 3691. Rating 7 Watts. List, $2.50. YOUR PRICE **$1.4**

Carter Hi-Ohm Volume Controls

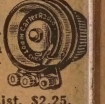
A new non-inductive, high resistance volume control with wire protected, all metal frame. It is self cooling.

No.	Ohms	
3602.	200,000	List, $2.00. YOUR PRICE **$1.18**
3603.	300,000	
3604.	500,000	

Hi-Ohm With Switch

No.	Ohms	
3562.	200,000	List, $2.50. YOUR PRICE **$1.47**
3563.	300,000	
3564.	500,000	

Carter Hi-Pot Volume Controls



A unique device for providing a uniform change in volume of current.

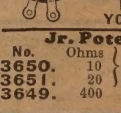
No.	Ohms	
3596.	200,000	List, $2.25. YOUR PRICE **$1.32**
3597.	300,000	
3598.	500,000	

Hi-Pot With Switch

No.	Ohms	
3568.	200,000	List, $2.75. YOUR PRICE **$1.62**
3569.	300,000	
3570.	500,000	

Yaxley Jr. Rheostats

A smaller rheostat, quiet in operation. Mechanically and electrically perfect.



No.		
3641.	2 ohms	List, 75c. YOUR PRICE **44c**
3643.	6 ohms	
3644.	10 ohms	
3646.	20 ohms	
3648.	30 ohms	

Jr. Potentiometers

No.	Ohms	
3650.	10	List, $1.25. YOUR PRICE **73c**
3651.	20	
3649.	400	List, $1.10. YOUR PRICE **65c**

Yaxley Volume Control for A-C Sets

Especially designed for the new A-C Sets. Has high current carrying capacity.

No. 3652. Volume control on Jr. Base. List, $1.50. YOUR PRICE..... **88c**

No. 3653. Volume control on bakelite Base. List, $1.50. YOUR PRICE..... **88c**

Resistance Kits, Resistances, Grid Leaks

De Jur Amplifier Wired

A low priced, completely wired and assembled amplifier constructed of reputable materials. Brings out the best possible tone quality in loudspeakers and radio sets. All necessary resistances and condensers are included. Ideal for increasing volume of two, three and four tube sets. Wt., 2 lbs.

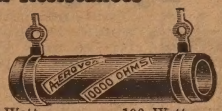
No. 3129. List, $8.00.
YOUR PRICE **$4.30**

De Jur Planofier Kits

Complete Kit comprising 3 stages of tested units, matched for their consecutive stages. All necessary resistors, condensers and wiring data included. Indispensable for those who like true reproduction. A special for set builders at this price. Wt., 2 lbs.

No. 3136. List, $4.50.
YOUR PRICE **$2.50**

Aerovox Pyrohm Resistances



Made of the best grade resistance wire. Wound on refractory tubing. Porcelain coated and enameled. Considered the best grade of resistor for latest power or circuit purposes. Wt., 8 oz.

Resistance	20 Watt No.	20 Watt NET	40 Watt No.	40 Watt NET	100 Watt No.	100 Watt NET
500	4351	53c	4363	56c	4375	88c
750	4352	53c	4364	56c	4376	88c
1,000	4353	53c	4365	56c	4377	88c
1,500	4354	53c	4366	56c	4378	88c
2,000	4355	53c	4367	56c	4379	88c
3,000	4356	59c	4368	59c	4380	88c
4,000	4357	59c	4369	65c	4381	88c
5,000	4358	59c	4370	65c	4382	88c
8,000	4359	65c	4371	73c	4383	$1.03
10,000	4360	65c	4372	73c	4384	1.03
12,000	4361	65c	4373	73c	4385	1.03
15,000	4362	65c	4374	73c	4386	1.03

Lynch Metallized Resistors

Endorsed by leading engineers as dependable, noiseless and efficient. Guaranteed accurate within 10%. Wt., 2 oz.

No.	Meg.	List	YOUR PRICE
4016.	5	50c	
4017.	3		
4018.	2		29c
4019.	1		
4020.	.5		
4021.	.25		
4022.	.1	75c	
4023.	.05		44c
4024.	.025		
4025.	.005		
4026.	.002		

Lynch Resistor Mountings

Leak proof mountings of highly polished genuine Bakelite. Single hole mounting. No condenser included. Wt., 3 oz.

SINGLE	DOUBLE
No. 4027.	No. 4028.
List, 35c.	List, 50c.
YOUR PRICE	YOUR PRICE
20c	**29c**

Carborundum Resistors

Standard values in this type of resistor. Need no introduction to radio dealers and set builders. Wt., 2 oz.

No.			List, 50c YOUR PRICE
4274.	.25	megohm	
4275.	.5	megohm	
4276.	2.	megohm	
4277.	5.	megohm	29c
4278.	8.	megohm	

Polymet Grid Leaks

Metallized grid leaks of engineering standard. Permanently constant, noiseless and of high current carrying capacity. Wt., 2 oz.

No.			List, 25c Each YOUR PRICE
4292.	.25	megohm	
4293.	.5	megohm	
4294.	1.	megohm	
4295.	2.	megohm	
4296.	3.	megohm	
4297.	5.	megohm	15c
4298.	7.	megohm	
4299.	10.	megohm	

Polymet Resistors

Accurate resistors for the popular resistance coupled amplification. Wt., 2 oz.

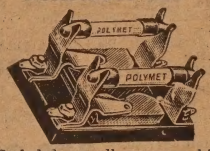
No.	Meg.	List	YOUR PRICE
4388.	.005	$1.00	45c
4389.	.025	1.00	30c
4390.	.05	.75	30c
4391.	.1	.75	20c

Kroblak Resistance Kits

Kit of resistance specified for the Thordarson 210 Power Compacts. Wt., 1 lb.

No. 3755. Type M-210 for R-210 Power Compact.
List, $4.50.
YOUR PRICE ... **$2.65**

Polymet 3-Stage Resistance Kit



Included are all necessary high standard Polymet parts such as condensers, grid leaks, resistances and mountings. Not difficult to assemble. Hi-Mu tubes produce most satisfactory results. See tube page. Wt., 1 lb.

No. 3128. List, $4.00.
YOUR PRICE **$2.20**

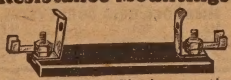
De Jur Mountings

Perfect Contact — is the reputation of these mountings. Contact springs are of nickel phosphor-bronze. Wt., 3 oz.

No. 3139. Single Mounting.
List, 25c.
YOUR PRICE **13c**

No. 3140. Double Mounting.
List, 35c.
YOUR PRICE **21c**

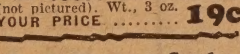
Resistance Mountings



No. 4006. Single mounting (as pictured). Wt., 2 oz.
YOUR PRICE **12c**

No. 4007. Double mounting (not pictured). Wt., 3 oz.
YOUR PRICE **19c**

Eagle Plunger Leaks



A small variable grid leak that fits most standard mountings. Max. 50 megohms. Wt., 2 oz.
No. 4005. List, 75c.
YOUR PRICE **32c**

Aerovox 210-250 Resistor Kit

Combination of resistors for use with Thordarson 210 Push Pull Power Amplifier and Thordarson Single 250 or Push Pull 250 Amplifier. Consists of one 750 ohm, one 10,000 ohm unit, one 4000 ohm unit, two universal tapped resistors. This kit may be used with any 210 or 250 power amplifier and with it any combination of voltages may be secured. Wt., 1 lb.

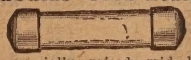
No. 4287.
List, $6.50.
YOUR PRICE ... **$3.82**

Bretwood Grid Leak

A quality product having smooth vernier control. Range is from 0-10 megohms. Grid condenser is included. Wt., 6 oz.

No. 3131.
List, $1.75.
YOUR PRICE **$1.10**

Tubular Grid Leaks



A specially priced grid leak. Unaffected by atmosphere—glass enclosed. Accurate. Wt., 2 oz.

List Price, 20c

		YOUR PRICE
No. 4043.	1 megohm	
No. 4044.	2 megohm	10c
No. 4045.	3 megohm	
No. 4046.	5 megohm	Each

171 Tapped Resistance

An easy to mount single resistance unit for the popular Thordarson R-171 tapped at the proper resistance specified for this new power compact. Provides simple and easy means of installing power resistors. Wt., 8 oz.

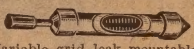
No. 3757.
List, $2.15.
YOUR PRICE ... **$1.26**

Voltage Divider Electrad Truvolt

A unique combination of fixed and variable wire wound resistances so designed that proper "B" and "C" voltages can be obtained with any type of power supply in combination with any type of radio set. It provides a fine adjustment of critical voltages between usable ranges. Attractively housed in ventilated bakelite case. Booklet giving complete information supplied with each unit.

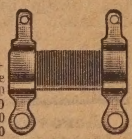
No. 3041.
List Price $12.50. YOUR PRICE **$7.35**

Mountford Variable Grid Leaks



Variable grid leak mountable on standard grid condensers. Wt. 2 oz.
No. 4004. List, 50c.
YOUR PRICE **23c**

Aerovox Wire Wound Resistances



No.	Resistance
4392.	100
4393.	500
4394.	750
4395.	1000

Your Price 12c

No. 4396. Resistance, 1500.
No. 4397. Resistance, 2000.

Your Price 21c

Aerovox Tapped Resistances

No. 4288. Type A. Tapped at 3000, 2800, 1500, 1500. For CX380 or Raytheon BH without voltage regulator. Wt., 10 oz.
List, $1.75.
YOUR PRICE ... **$1.03**

No. 4289. Type B. Tapped Resistor. Tapped 3000, 2800, 750, 750. Used with CX380, Raytheon BH and voltage regulator tube.
List, $1.75.
YOUR PRICE ... **$1.03**

No. 4290. Type 171. Tapped at 2000, 3000, 3000, 3000, 2000. For Thordarson R171 Compact using Raytheon BH tube.
List, $2.00.
YOUR PRICE ... **$1.18**

No. 4291. Type D. Tapped at 3000, 2800, 750, 750, 4500, 4500. For CX381 rectifier with or without voltage regulator.
List, $5.50.
YOUR PRICE ... **$3.23**

Micamold Grid Leaks and Resistors

Accuracy insured. Moulded under 50-ton pressure. Atmospherics will not affect them. Wt., 2 oz.

No. 4008. .1 meg. List, 70c.
YOUR PRICE **39c**

No.			List, 45c Each YOUR PRICE
4009.	.25	megohm	
4010.	.5	megohm	
4011.	1.	megohm	
4012.	2.	megohm	
4013.	3.	megohm	21c
4014.	5.	megohm	
4015.	10.	megohm	

Aerovox Non-Inductive Condensers

By-Pass

Non-inductive-wound. Designed for general by-pass use, at potentials up to 200 volts D.C. or 125 volts A.C. Wt., 6 oz.

No.	Mfd.	Retail	NET
1267.	.1	$0.65	$0.38
1268.	.25	.70	.41
1269	.5	.80	.47
1270.	1.	.90	.53
1271.	2.	1.75	1.03

Bakelite Case By-Pass Condensers

No. 250 Series

Bakelite case condensers designed to prevent all leakage between terminals. Aerovox quality throughout. Avoids all possibility of grounding condensers. Provide maximum working voltage of 200 D.C. or 125 A.C. Wt., 8 oz.

No.	Mfd.	Retail	NET
1262.	.1	$0.75	44c
1263.	.25	.85	50c
1264.	.5	.90	53c
1265.	1.	1.25	73c

Aerovox Bakelite Molded Condensers

Noted for accurate capacities, being accurate within 10%. Unaffected by extreme heat or cold. Genuine bakelite molded. Wt. 4 oz.

No.	Mfd.	Retail	NET
1336.	.00025	35c	20c
1337.	.0005	35c	20c
1338.	.001	40c	23c
1339.	.002	40c	23c
1340.	.005	60c	35c
1341.	.006	70c	41c

Grid Condensers

Same as above except provided with clips for mounting grid leaks. Wt. 4 oz.

No.	Mfd.	Retail	EACH
1343.	.00015	40c	23c
1344.	.00025	40c	
1345.	.0005	40c	

Dubilier Micadons

Accuracy and permanency are accepted standards in Dubilier Micadons. Made of best grade India sheet mica insulation and metallic foil placed between pieces of genuine bakelite and sealed under terrific pressure, each condenser is tested at 600 volts D.C. Wt. 4 oz.

No.	Mfd.	Retail	YOUR PRICE
4047.	.0001	20c	12c
4048.	.00025	20c	12c
4049.	.0005	20c	12c
4050.	.001	20c	12c
4051.	.002	25c	15c
4052.	.0025	30c	18c
4053.	.003	30c	18c
4054.	.004	30c	18c
4055.	.005	40c	24c
4056.	.006	40c	24c

DUBILIER GRID CONDENSER

Same as above except provided with clips for mounting grid leaks.

No. 4091. .00025 mfd. Retail, 25c. YOUR PRICE..... **15c**

Filter Condensers

These socket power and high voltage condensers are of the non-inductive type equipped with long, heavy, flexible, rubber covered wire leads. Conservatively rated with high safety factor. Cases are of uniform height with convenient mounting feet. Wt. 12 oz.

TYPE 202—Maximum D.C. working voltage, 200; A.C., 125.

No.	Mfd.	Retail	NET
1362.	1.	$1.25	$0.73
1363.	2.	2.00	1.18
1364.	4.	3.50	2.06

TYPE 302—Maximum D.C. working voltage, 300; A.C., 175.

No.	Mfd.	Retail	NET
1365.	.25	$1.00	$0.59
1366.	.5	1.20	.71
1367.	1.	1.60	.94
1368.	2.	2.60	1.53
1369.	4.	4.70	2.76

TYPE 402—Maximum D.C. working voltage, 400; A.C., 250.

No.	Mfd.	Retail	NET
1370.	.1	$1.00	$0.59
1371.	.25	1.10	.65
1372.	.5	1.40	.82
1373.	1.	1.85	1.09
1374.	2.	3.00	1.76
1375.	4.	5.25	3.09

TYPE 602—Maximum D.C. working voltage, 600; A.C., 350.

No.	Mfd.	Retail	NET
1376.	.5	$1.85	$1.09
1377.	1.	2.75	1.62
1378.	2.	5.00	2.94
1379.	4.	8.00	4.70

TYPE 1002—Maximum D.C. working voltage, 1000; A.C., 600.

No.	Mfd.	Retail	NET
1380.	.5	$3.00	$1.76
1381.	1.	4.75	2.80
1382.	2.	8.50	5.00
1383.	4.	16.00	9.41

KNIGHT A. C. RECEIVERS

for

TONE
SENSITIVITY
VOLUME
SELECTIVITY

TURN TO PAGES 1 to 24 73 to 89

B Blocks

No. 1297. Type BH 320. Designed for use with Raytheon BH or type 380 rectifiers. Provides 2-2-8-1-1 mfd. condensers. Wt. 3½ lbs. **Retail, $10.00.**

YOUR PRICE..... **$5.88**

No. 1384. Type BH 420. Heavy duty type designed for Raytheon BH or type 280 rectifiers, providing 2-2-8-1-1 mfd. condensers. Wt. 3½ lbs. **Retail, $13.00.**

YOUR PRICE..... **$7.64**

No. 1385. Type R 171. Same as type BH 420, except for special size container. Wt. 4 lbs. **Retail, $13.00.**

YOUR PRICE..... **$7.64**

No. 1386. Type BC 280. For use with type 280 rectifiers. Provides 2-2-2-1-1-1 mfd. condensers. Wt. 3½ lbs. **Retail, $12.00.**

YOUR PRICE..... **$7.06**

No. 1387. Type BH 862. For use with type 381 rectifiers, providing 2-2-2-1-4-1 mfd. condensers. Wt. 3½ lbs. **Retail, $17.50.**

YOUR PRICE.... **$10.29**

No. 1388. Type TH 1088. For use with heavy duty full wave rectifiers using 381 tubes, providing 2-2-2-1-4-1 mfd. condensers. Wt. 4 lbs. **Retail, $22.50.**

YOUR PRICE.... **$13.23**

Micamold Condensers

A high grade, fixed condenser in a molded bakelite case. Accurate capacities. Wt. 4 oz.

No.	Mfd.	Retail	NET
4057.	.0001	35c	17c
4058.	.00025	35c	18c
4059.	.0005	35c	18c
4060.	.001	40c	21c
4061.	.002	40c	21c
4062.	.0025	50c	24c
4063.	.005	60c	32c
4064.	.006	70c	38c

MICAMOLD GRID CONDENSERS

No.	Mfd.	Retail	NET
4093.	.00025	45c	20c
4094.	.0005	45c	20c

Aerovox A

Condensers

Efficient, low voltage, high capacity units for filter circuit of A eliminators. Composed of two condensers and two choke coils of .1 and .5 Henries. Carries two amperes, filters the output of a good tube rectifier battery charger. Used as an A eliminator. Wt., 3½ lbs.

No.	Mfd.	Retail	NET
1389.	1500	$4.00	$2.35
1390.	2000	4.50	2.65
1391.	4000	7.50	4.41

X-L Condensers

A small, variable, neutralizing and balancing condenser. Micrometric adjustment for accurate capacity. Wt., 4 oz.

No. 1346. Model N neutralizing type. **Retail, $1.00. YOUR PRICE** **59c**

X-L Grid Condensers

No. 1347. Type G-1, .00002-.001 mfd.

No. 1348. Type G-5, .0001-.005 mfd.

No. 1349. Type G-10, .0003-.0001 mfd.

Retail, Each $1.50. YOUR PRICE **88c**

Micamold Midget Bakelite Condensers

Conforming to Micamold standards, coupled with the advantages of smallness in size. Molded of genuine bakelite. Wt., 4 oz.

No.	Mfd.	YOUR PRICE
1395.	.0005	14c
1396.	.0001	13c
1397.	.00015	14c
1398.	.00025	14c
1399.	.001	17c
1400.	.005	28c
1401.	.006	34c
1402.	.01	40c

Sprague Midget Condensers

Tested to 1500 volts. Exceptionally small and light weight. Suitable for continuous operation at 500 volts D.C. Accurate within 10%. Wt., 2 oz.

No.	Mfd.	Retail	NET
1351.	.00025	35c	19c
1353.	.001	40c	23c
1354.	.002	40c	23c
1355.	.0025	40c	23c
1356.	.005	45c	27c
1357.	.006	45c	27c

Aerovox Buffer Condensers

For use across secondary windings of power transformers using gaseous type rectifiers. Wt., 12 oz.

No. 1291. Type 446. Working voltage, 400 D.C.; 250 A.C. **Retail, $1.50. NET.....88c**

No. 1295. Type 646. Working voltage, 600 D.C.; 350 A.C. **Retail, $2.00. NET.....$1.18**

No. 1293. Type 1046. Working voltage, 1000 D.C.; 550 A.C. **Retail, $2.75. NET.....$1.62**

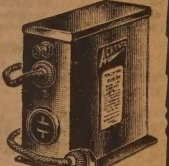
No. 1292. Type 1546. Working voltage, 1500 D.C.; 750 A.C. **Retail, $3.50. NET $2.06**

Dubilier By-Pass

These are the new type Dubilier condensers with special mounting feet occupying small space on the sub-panel. They provide a D.C. working voltage up to 200 volts and are generally employed as by-pass condensers in impedance or resistance coupled amplifiers where low voltage is used. Wt. 8 oz.

No.	Mfd.	Retail	NET
1249.	.1	$0.85	$0.50
1250.	.25	.95	.56
1251.	.5	1.00	.59
1252.	1.	1.25	.73
1253.	2.	2.00	1.18

AEROVOX INTERFERENCE ELIMINATORS



Used to prevent power line noises from affecting electric receivers or power supply devices. Also to prevent reradiation and interference from electric motors and other electrical appliances. Filter type IN-24 for a maximum of 125 volts A.C. and 200 volts D.C. IN-44 is for a maximum of 220 volts A.C. and 400 volts D.C. Supplied with all instructions. Wt., 2 lbs.

No. 1392. Type IN-24. **Retail, $6.50. YOUR PRICE.....** **$3.82**

No. 1393. Type IN-44. **Retail, $9.00. YOUR PRICE.....** **$5.29**

Tobe, Acme and Dubilier Condensers

Tobe "A" Filter

Consists of two Tobe A condensers having capacity of 4000 mfd. each combined with two large capacity chokes completely wired. May be connected to any good 2 or 2½ ampere charger for complete A elimination.

No. 1405. Retail, $18.00. YOUR PRICE. **$10.58**

TOBE A BLOCK. Consists of two Tobe A Condensers in one unit with capacity of over 4000 mfd. each. Size 5x5½x1½.

No. 1403. List $7.00. YOUR PRICE **$4.12**

TOBE A CONDENSER. 4000 mfd. low voltage condenser. For use with battery chargers and suitable chokes for A elimination. Maximum working voltage 12 volts D.C. Size 5x5x1½.

No. 1411. List $6.00. YOUR PRICE **$3.53**

Acme Parvolt By Pass

Used for direct current circuits with a maximum of 200 volts and on A.C. circuits maximum voltage of 100 volts. Recommended for radio frequency by-pass work. Wt., 1½ lbs.

No.	Mfd.	NET
1321.	.1	$0.50
1322.	.25	.56
1323.	.5	.59
1324.	1.	.73
1325.	2.	1.32
1326.	4.	2.35

FILTER CONDENSERS

For all current supply circuits and as isolating unit in resistance and impedance coupled audio. Wt., 1½ lbs.

No.	Mfd.	Voltage	NET
1327.	1.	600	$1.76
1328.	2.	600	3.23
1329.	4.	600	4.70
1330.	1.	1000	2.94
1331.	2.	1000	4.12
1332.	4.	1000	7.06

TOBE Interference Filters

Eliminate interference from household motors, electrical refrigerators, washing machines, generators, etc. No. 1 filter recommended for use on electrical household appliances having motors up to and including one-quarter horsepower. No. 2 filter for use with motors up to five horsepower. They incorporate means to prevent damage to commutators. Wt., 4½ lbs.

No. 1406. Type No. 1. Retail, $10.00. YOUR PRICE..... **$5.88**

No. 1212. Type No. 2. Retail, $15.00. YOUR PRICE..... **$8.82**

Dubilier Power Pack Condensers

No. 1424, Type PL574. Used in power devices employing Raytheon B.H. rectifier tubes. The maximum transformer voltage, when used with PL574 should not exceed 700 or 350 volts per rectifier plate. Consists of 14 mfds., tapped common 2-2-8-1-1. Wt., 3½ lbs. List, $16.50. NET **$9.70**

No. 1425. Type PL575. For power compacts using 216B or 281 type filament rectifiers. Maximum transformer voltage must not exceed 750 V. per plate in either half or full-wave rectifier systems. Consists of 12 mfds., tapped common 2-2-2-4-1-1. Wt., 4 lbs. List, $17.50. Net.. **$10.29**

No. 1426. Type PL700. For 281 filament type tubes connected as a full wave rectifier. Also employs a 4 mfd. capacitor for use with voltage regulator tube. Transformer secondary voltage must not exceed 750 V. per rectifier plate. 11 mfds., tapped common 2-2-2-4-1. Wt., 4½ lbs. List, $17.50. NET. **$10.29**

Dubilier Interference Devices

Designed for use in eliminating local electrical interference such as is set up by motor equipped electrical appliances. Model No. 1 is for use where interference is of medium intensity; No. 2 for more severe interference, while No. 3 embodies a filter for use where interference is of unusual intensity. Wt. 1½ lbs.

No. 1418. Type No. 1. Retail, $5.00. YOUR PRICE..... **$2.94**

No. 1419. Type No. 2. Retail, $7.50. YOUR PRICE..... **$4.41**

No. 1420. Type No. 3. Retail, $15.00. YOUR PRICE..... **$8.82**

Dubilier Filter Condensers

High grade paper dielectric condensers built to Dubilier standards of quality. Equipped with soldering lug terminals. Wt. 12 oz.

Type 902—400 Volts

No.	Mfd.	Retail	NET
1239.	1.	$2.50	$1.47
1240.	2.	3.50	2.06
1241.	4.	5.50	3.23

Type 903—600 Volts

No.	Mfd.	Retail	NET
1243.	1.	$3.00	$1.76
1244.	2.	5.50	3.23
1245.	4.	9.50	5.59

Dubilier Dry "A" Condensers

A new Dubilier Development. Designed for use in all circuits, employing undirectional or direct currents up to 15 volts, where high capacities are required. Leakage current is less than 1 milliampere—indicative of long life. Strong internal construction. Wt., 5 lbs.

No.	Mfd.	Retail	NET
1421.	2,000	$ 4.50	$2.65
1422.	4,000	7.50	4.41
1423.	6,000	11.00	6.47

TOBE Fixed, By Pass and Filter Condensers TOBE

Tobe By Pass

A new type by-pass condenser being more compact, easier to mount, with metal case. Measures 2½ x ½ x ⅞ in. Wt., 6 oz.

No.	Mfd.	Retail	NET
1407.	.5	$0.90	53c
1408.	1.	1.25	73c

By Pass and Filter Condensers

Working voltage up to 300 volts D.C. Unaffected by climatic conditions. Highest quality throughout. Wt., 4-12 oz.

No.	Mfd.	Retail	NET
1201.	.1	$0.70	$0.41
1202.	.25	.75	.44
1203.	.5	.90	.53
1204.	1.	1.25	.73
1205.	2.	1.75	1.03
1206.	4.	3.50	2.06

Output Condensers

Used between plate of power tube and speaker where tone filters are used to protect speaker windings. 4 mfd. capacity. For voltage up to 250 volts on plate. Wt., 12 oz.

No. 1409. Retail $3.50. YOUR PRICE **$2.06**

High Voltage Condensers

For continuous operation on 400 volts D.C. Wt., 12 oz.

No.	Mfd.	Retail	NET
1209.	1.	$2.00	$1.18
1211.	4.	4.50	2.65

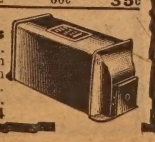
New Tinytobe Condensers

A small condenser requiring no support.

For voltages up to 500 volts D. C. Average size, ¾ x1⅛x⅝ in. Wt., 2 oz.

No.	Mfd.	Retail	NET
1219.	.0001	35c	
1220.	.00025	35c	21c
1221.	.0005	35c	
1222.	.001	40c	
1223.	.002	40c	
1224.	.003	40c	23c
1225.	.004	40c	
1226.	.005	45c	
1227.	.006	45c	26c
1228.	.01	55c	32c
1229.	.02	60c	35c

Samson "B" Blocks



No. 1413. For Samson UX210 Push Pull Amplifier. Retail, $38.00. NET $22.34

"B" Block Condensers

No. 1218. R171 containing 8-2-2-1-1 mfd. condensers for use in Thordarson 171 Power Packs. Wt. 4 lbs. Retail, $15.00. YOUR PRICE **$8.82**

No. 1217. R210 B Block containing 2-2-2-4-1-1 mfd. high voltage condensers for Thordarson R210 Power Pack. Wt., 4½ lbs. Retail, $18.00. YOUR PRICE..... **$10.58**

No. 1230. R250 B Block high voltage condenser for 250 Power Amplifiers. Wt., 6 lbs. Retail, $26.00. YOUR PRICE..... **$15.29**

Buffer Condenser

Type 311 contains in one block, two 0.1 mfd. filter condensers. Recommended for installation on the A.C. side of the tube in Raytheon circuits. Wt. 4 oz.

No. 1208. List, $1.50. YOUR PRICE..... **88c**

Type 411, short path 400 volt buffer condenser consisting of two 0.1 high test condensers. Wt., 8 oz.

No. 1410. List, $2.00. YOUR PRICE. **$1.18**

TOBE Power Pack Condensers

No. 1414. Tobe Model 764 designed for "B" eliminator use, requiring three 4. mfd. and two .1 mfd. condensers. For use with 213 and 216 B type tubes. Wt., 3½ lbs. Retail, $11.00. YOUR PRICE..... **$6.47**

No. 1207. Tobe BH Block Model 765 contains 2—4 mfd, 1—6 mfd. 400 volts short path condensers for Raytheon BH tube. Wt., 5 lbs. Retail, $13.00. YOUR PRICE..... **$7.64**

High Voltage Power Pack Condensers

New and extremely rugged extra high-voltage condensers. The 600 Condenser will operate continuously on D.C. voltages from 600 to 1000 volts. Recommended for Amertran, Thordarson and other power packs. The new 1100 line has a safe working voltage of 1100 volts D.C., and is recommended for use with UX210 Push-Pull Amplifiers and similar high-voltage equipment. Wt., 2-3½ lbs.

New Surge Proof 1300 Volt Condensers

No.	Cap. Mfd.	List Price	NET
1438.	2.	$5.00	$2.94
1439.	4.	9.00	5.29

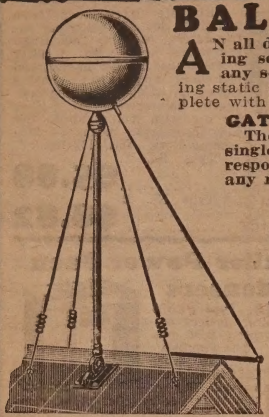
Tobe 600 Series

No.	Cap. Mfd.	List Price	NET
1213.	.5	$2.00	$1.18
1214.	1.	2.50	1.47
1215.	2.	3.50	2.06
1216.	4.	6.00	3.53

Aerial and Ground Accessories

BALL ANTENNA

EFFICIENT SELECTIVE



An all directional selective antenna for any radio receiving set. **Increases the receiving range of practically any set.** It is selective and sharpens tuning minimizing static interference. A 10 in. aluminum alloy ball complete with bakelite insulator and condenser.

GATHERS MORE ENERGY—GREATER RANGE

The Ball Antenna gathers far more energy than single or multi-strand wire aerials and is therefore responsive to weaker signals increasing the range of any radio receiver. With this Ball Antenna, stations never before heard are received with good volume and absence of interference.

The ball sheds ice and snow. It is attractive in appearance and is not affected by heat and will not rust. No rod included. Uses one-half inch iron plate. Shipping weight, 4 lbs.

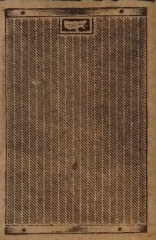
No. 2471. List $7.50.
YOUR PRICE **$2.69**

BALL ACCESSORY KIT

Consists of 50 ft. lead-in wire, 50 ft. copper guy wire, ground clamp, flexible window lead-in insulator, nail knobs, screw eyes and 10 ft. of pipe with base. Wt., 18 lbs.

No. 2473. YOUR PRICE..... **$2.15**

Effarsee Antenna



An efficient inside aerial that can be hung up anywhere. Appears as a window curtain. Wires inside. Contains hundreds of feet of wire and necessary condensers, self-contained. Selective. Reduces static. Sensitive as an outside aerial. Wt., 5 lbs.

No. 2455. Retail 2.50 YOUR PRICE **$1.47**

Eagle Light Socket Aerial

A high grade well designed Light Socket Aerial Plug that makes use of the electric light wiring system of the house for an aerial. Draws no current. They reduce static materially and in many instances increase the range of your receiver. Highly recommended for use in congested districts, apartment buildings, etc., where more selectivity is required, than the outdoor antenna provides. Wt., 8 oz.

No. 2469. Retail, $1.00. YOUR PRICE **45c**

Fiat Loops—Bank Wound

The Bank Wound design of this loop makes it particularly desirable for use on most Superheterodyne Receivers. Due to its efficient design, it will readily pick up the faintest signals, and deliver maximum signal energy to the receiver. Solid Walnut Frame in attractive natural finish. Turns on 7 in. radius. Center tapped, stands 30 in. high, 13½ in. wide. Weight, 3 lbs.

No. 4409. Retail $12.50. YOUR PRICE **$7.35**

Qualitone Loops

A high grade carefully designed, enduringly constructed loop, with hand-rubbed solid walnut frame. By use of a special adjustment screw at the top of the center standard, the wires can always be kept tight; thus avoiding fluctuations in capacity. Center tapped. Metal parts, highly nickel plated. Wt., 5 lbs.

Qualitone
No. 4407. As described above. **Retail $10.00. YOUR PRICE....** **$5.88**

DeLuxe Model
No. 4408. As described above, except with fancy frame. **Retail $12.50 YOUR PRICE....** **$7.35**

BALL ANTENNA KIT

A high grade Ball Antenna Kit that minimizes static interference. Kit contains all necessary parts for instant easy assembly. They provide unusual aerial efficiency, and make a neat attractive installation. Just the thing for use in congested districts, and where more than one aerial is on the same roof. Wt., 5 lbs.

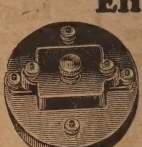
No. 2463. Retail $5.00. YOUR PRICE .. **$2.94**

Steinite Eliminator

For eliminating interference and sharpening the tuning of any radio receiver. Scientifically constructed, it greatly increases selectivity. May be used on any set with an aerial. Quickly and simply installed. If your set tunes broadly you need an interference eliminator. Wt., 8 oz.

No. 6020. Retail $1.00. YOUR PRICE **59c**

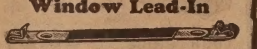
Muter Interference Eliminator



Increases selectivity and sharpens tuning of any radio receiver. Encased in black molded Bakelite. Only 3½ in. in diameter. Enables you to tune out powerful local and nearby broadcasting stations, in order to tune in the distant stations. Corrects any set if it tunes broadly. It will also reduce "static" caused by local electrical defects. Wt., 1 lb.

No. 6021. Retail $2.50. YOUR PRICE **$1.47**

Window Lead-In



Fits between window and sill. Contact on each end. Wt., 4 oz.

No. 2465. Retail 25c. YOUR PRICE **7c**

No. 2465A. Extra long. **Retail 45c. YOUR PRICE** **12c**

NOW! BETTER VALUES

This catalog places before you some of the most drastic price reductions in the history of RADIO. This great Pre-Inventory sale is an event looked forward to by hundreds of Allied Dealers. You save the difference if you—

Buy Now

Ground Clamp

A copper ground clamp. Positive contact. Wt., 4 oz.

No. 2462. Your Price EACH **4c**

No. 2462A. DOZ. 42c

Ekko Ground Clamp

A perfect ground clamp. Assures clean contact. Wt. 8 oz.

No. 2464. Retail 25c. YOUR PRICE. **15c**

DeLuxe Umbrella Aerial Kit

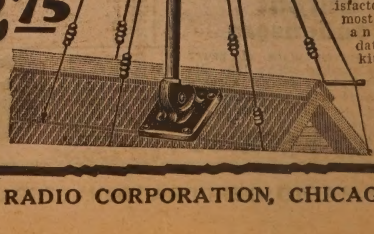
A new design for efficient, permanent aerial installation.

Here is what the Kit contains:

1 special umbrella insulator; 100 ft. 7-strand copper wire; 50 ft. lead in wire; 1 aluminum roof base; 1 approved lightning arrester; 1 ground clamp; 6 porcelain insulators; 3 porcelain nail knobs; 6 screw eyes; 4 roof base screws.

No. 2472 Your Price **$2.75**

List $5.00



The advantage and efficiency of the umbrella type aerial has been proven by its adoption by hundreds of amateurs.

The umbrella type aerial is non-directional. It gathers far more energy than does the customary single or multi strand aerial which is usually stretched from roof to roof, yet it takes less room, is more easily installed and is many times more satisfactory. The most complete and up-to-date aerial kit on the market. Selective and efficient. Wt., 6 lbs.

BELL WIRE

Furnished in 50 ft. rolls per box. Cotton cover colored. No. 18 wire. Good quality and value. Wt., 1 lb.

No. 2458. Retail, 50 ft., each, 30c. YOUR PRICE, 50 ft., EACH... **18c**

TWISTED LAMP CORD

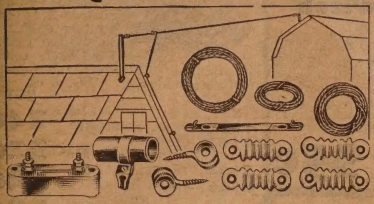
Consists of flexible stranded size 18 copper wires, with rubber sleeve insulation, over which is a neat colored cotton braid.

No. 2456. Double twisted wire, 25 ft. **YOUR PRICE..** **48c**

No. 2457. 50 ft. **YOUR PRICE** **75c**

ANTENNA AND GROUND EQUIPMENT

Complete Aerial Kits



Aerial Kit A

These convenient aerial kits contain all necessary parts for most difficult aerial installations. The model A kit includes 100 ft. of stranded copper aerial wire; 25 ft. rubber insulated lead-in; one lead-in insulator; two porcelain strain insulators; two screw insulators; one lightning arrester, and one ground clamp. Wt., 4 lbs.

No. 2459. Retail, $2.00. YOUR PRICE **74c**

Aerial Kit B

Kit consists of 100 ft. stranded copper wire; 40 ft. rubber insulated lead-in wire; 25 ft. insulated ground wire; one ground clamp; four porcelain strain insulators; two screw insulators; lightning arrester, and lead-in insulator. Wt., 5 lbs.

No. 2460. Retail, $3.00. YOUR PRICE **$1.25**

De Luxe Kit C

Finest quality antenna equipment. Build a permanent efficient aerial. Consists of 100 ft. stranded enameled aerial wire; 50 ft. weather proof lead-in wire; 25 ft. ground wire; approved lightning arrester; 1 ground clamp; 4 glass insulators; 4 porcelain screw insulators; 2 screw eyes; 1 porcelain stand-off insulator; 1 flexible lead-in insulator. Wt., 6 lbs.

No. 2461. List, $4.00. YOUR PRICE **$1.79**

Approved Lightning Arrester

A high grade lightning arrester of the air-gap type. Porcelain construction. An exceptional value that has proven a fast seller. Wt., 12 oz.

No. 6004. YOUR PRICE..... **12c**

Sentinel Lightning Arrester

A highly recommended lightning arrester of the gap type. Carefully constructed. Approved by underwriters. Will prove a leader in sales. Wt., 1 lb. The very best arrester obtainable.

No. 6022. Retail, $1.00. YOUR PRICE..... **55c**

Home Guard Arrester

A new standard of lightning arrester value. Sturdily constructed, and of the non-air gap type. Successfully meets the demand for a lower priced arrester. Wt., 12 oz.

No. 6023. Retail, 50c. YOUR PRICE..... **27c**

Paragon Ground Master

Designed for use as a sub-aerial or radio ground. Used as an antenna, buried in the ground, it increases selectivity, reduces static and interference. Astounding long range reception reported. May be used as ground with outside antenna, improving results obtained. Wt., 7 lbs.

No. 6017. Retail, $5.50. YOUR PRICE **$3.23**

Stand-Off Insulators

No. 6018. Used for efficient antenna insulation. Of brown glazed porcelain, 4 in. long. Wt., 14 oz.

YOUR PRICE, EACH **10c**

High Grade Aerial Wire

Stranded

Consists of seven strands of No. 24 hard drawn copper aerial wire of the finest quality. Put up in 100-ft. coils. A recommended standard for aerials. Wt., 2½ lbs.

No. 2453. Per 100-ft. coil. YOUR PRICE ... **23c**

Enameled

A seven-strand high grade copper wire, with each strand insulated from the others. Will not corrode or deteriorate. In 100-ft. coils. Wt., 2½ lbs.

No. 2454. Per 100-ft. coil. YOUR PRICE ... **33c**

Dubilier Light Socket Antenna

The standard light socket antenna plug. Simply attach to the light socket on any receiver. Transforms light line into an aerial. Highly efficient. Improves reception, and reduces static. A real value. Wt., 10 oz.

No. 4100. Retail, $1.50. YOUR PRICE **88c**

Aerial Pipe-Mast Fittings

For the perfect aerial installation. Pulley, collar, and base of iron. Base adjustable and will fit roof of any pitch. Easy to mount. Wt., 5 lbs.

No. 2447 Set of 3 pcs. for ½-in. pipe. YOUR PRICE..... **55c**

No. 2448. Set of 3 pcs. for 1-in. pipe. Wt., 6 lbs. YOUR PRICE **$1.50**

Ribbon Aerial

Ideal for indoor use. Wonderful energy collector. Provides great surface area and flexibility. Wt., 3 lbs.

No. 6013. Per 100-ft. roll. YOUR PRICE **83c**

Subantenna

The Original Underground Aerial

Fast becoming as staple as tubes. Works amazing improvments in the performance of any A.C. or battery set in any locality.

Better Reception

Positively reduces static—increases distance and volume Uses filtered ground waves instead of noisy air waves. Brings in distant stations loud and clear when outside aerial gets nothing but static. Makes sets work as well in summer as they do in winter and makes them work better in winter than ever before.

Installed in Five Minutes

Requires hole in ground only 18 in. deep, 7 in. wide. Never needs attention. Improves as the earth packs around it.

No. 2497. List $7.50. **Now Only** Net **$4.39**

Glass Insulator

Highly efficient specially treated glass. Will stand terrific strain. Length, approximately 4 in. Wt., 6 oz.

No. 6001. YOUR PRICE **4c**

Porcelain Strain Insulators

A standard type universally used insulator. Strong and durable. 3 in. long. wt., 4 oz.

No. 6002. YOUR PRICE, EACH..... **3c**

No. 6003. YOUR PRICE, PER DOZ.. **25c**

Midget Glazed Insulators

No. 6015. Size, 1 in. square by 2¼ in. long. Wt., 4 oz.

YOUR PRICE ... **2c**

Porcelain Screw Insulators

A handy insulator for keeping lead-in wire away from walls, etc. Iron screw, porcelain eye. Wt., 3 oz.

No. 6014. YOUR PRICE.. **3c**

Lead-In Connectors

For connecting lead-in to aerial. Simplifies aerial installation. Enables a positive aerial lead-in connection without necessity of soldering. Every dealer should keep a stock of these handy connectors on hand. A big seller. Wt., 3 oz.

No. 6019. YOUR PRICE..... **7c**

Rubber Covered Lead-In Wire

A high grade rubber covered lead-in wire; not affected by moisture. Provides perfect insulation. No losses.

No. 2451. 25 ft. Wt., 1 lb. YOUR PRICE..... **22c**

No. 2452. 50 ft. Wt., 2 lbs. YOUR PRICE..... **37c**

Rubber and Braided Lead-In Wire

No. 14 copper wire with both rubber and weather proof braided covering. Best quality. Highly recommended.

No. 2449. 25-ft. rolls. Wt., 1 lb. YOUR PRICE... **27c**

No. 2450. 50-ft. rolls. Wt., 2 lbs. YOUR PRICE.. **46c**

JACKS — PLUGS — SWITCHES — LIGHTS — ETC.

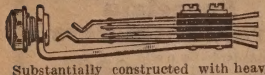
Bakelite Plug De Jur

An exceptionally high grade phone plug of polished genuine bakelite. Positive acting spring clips. No screws or clamps to get out of order. Without doubt one of the biggest plug values on the market today. Highly recommended. Wt., 4 oz.

No. 2327. List, 25c. YOUR PRICE..... **13c**

No. 2328. List per 10, $3.00. YOUR PRICE **$1.25**

Hold-Tite Jacks CARTER



Substantially constructed with heavy phosphor bronze springs and pure silver contacts. All lugs are tinned for easy soldering. Easily mounted to any panel. Wt., 6 oz.

No.		List	YOUR PRICE
2348.	Open circuit	.50c	**29c**
2349.	Closed circuit	.55c	**32c**
2350.	Double circuit	.80c	**47c**
2351.	Single filament control	.70c	**41c**
2352.	Double filament control	.90c	**53c**

Jack Switches CARTER

Carter jack switches have many uses in radio construction and experimenting. Built to the high quality standards of all Carter products, they come to you complete with black moulded "on and off" knob with name plate. Singe hole mounting. Easy to wire. Wt., 8 oz.

No. 2353. No. 2 single pole, double throw. Closes one contact. List, 75c. YOUR PRICE..... **44c**

No. 2354. No. 3 single pole, double throw. Consists of three springs; opens one and closes one contact. List, 90c. YOUR PRICE..... **53c**

No. 2355. No. 4 double pole, single throw. Consists of four springs; closes two contacts. List $1.00. YOUR PRICE..... **59c**

No. 2356. No. 6, double pole, double throw. Consists of six springs; opens two and closes two contacts. List, $1.25. YOUR PRICE..... **73c**

Walbert Lock Switch

Insertion of plunger makes positive contact. Removal of plunger breaks contact and securely locks switch. Exposed parts highly nickeled. Wt., 6 oz.

No. 2345. List, 50c. YOUR PRICE..... **20c**

Carter No. 2 Switch

A new filament switch. Mounts in small space. Furnished complete with "on and off" name plate. Insulated frame. A real value. Wt., 6 oz.

No. 2396. List, 50c. YOUR PRICE..... **29c**

Cutler-Hammer Toggle Switch

Popular toggle type filament switch. Easy to install, providing a positive make or break contact. An exceptional value. Wt., 6 oz.

No. 2331. List, 60c. YOUR PRICE... **35c**

Carter Receptacle Plates

Carter Receptacle Plates fill a definite need in proper radio installations in the home. They eliminate unsightly wires and provide a convenient outlet for batteries, aerial and ground leads, etc.

Lacquered Brass Finish

All plates are solid brass highly lacquered and will not tarnish. Fit all standard outlet boxes or may be mounted directly on wall or baseboard. Wt., 1 lb.

No. 4095. Escutcheon plate has Carter tip jacks with name plates "aerial" and "ground" and two imp plugs. Complete with mounting screws to fit regular outlet box. List, 90c. YOUR PRICE..... **53c**

No. 4097. Plate has two Carter tip jacks and marked with two "speaker" name plates. Speaker may be directly connected without phone plug. Complete with all screws for mounting. List, 60c. YOUR PRICE..... **35c**

No. 4096. For use with A.C. sets. Plate has two Carter tip jacks, standard A.C. outlet, and jacks for aerial and ground leadins. Two Imp plugs included. List, $1.00. YOUR PRICE..... **59c**

No. 4098. Loud speaker outlet plate with standard Carter Hi-Ohm Volume Control. Permits placing of speaker away from set, eliminating extension cords. Complete with screws for mounting. List, $2.75. YOUR PRICE **$1.62**

Frost Gem-Jac

An exceptional, well designed, compact, panel mounting jack. Contacts are of Sterling silver with nickel plated brass frame. Measures only one inch in back of panel. Wt., 4 oz.

No.		List Each	YOUR PRICE
2333.	Double circuit	.50c	**29c**
2332.	Single open circuit	.40c	**24c**
2334.	Single closed circuit	.45c	**26c**
2335.	Single filament control	.50c	**29c**

Carter Short Jacks

A small yet rugged jack for use where space is limited. The solder lugs are widely spaced which facilitates soldering. Makes positive contacts. Wt., 4 oz.

No.		List Each	YOUR PRICE
2336.	Open circuit output type	.25c	**15c**
2337.	Single closed circuit	.30c	**18c**

Cord Extension Jack

A compact ruggedly designed jack that accepts the standard phone plug at one end and cord tips or bare wire at the other. Permits placing speaker distant from set. Wt., 6 oz.

No. 2397. List, 75c. YOUR PRICE..... **44c**

Loudspeaker Outlet Plate CARTER

Sturdy outlet jack for use where concealed wiring cannot be used. Easily attached to wall or baseboard for use with any standard radio plug. Used where neat installations are desired. Wt., 10 oz.

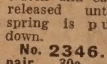
No. 4099. Satin brass finish. List, $1.00. YOUR PRICE..... **59c**

Frost Tip Jack

A small, neat cord tip jack for perfect contact. The cord tip is held in a spring clutch and cannot be released until the spring is pushed down.

No. 2346. List per pair, 30c. YOUR PRICE PER PAIR... **18c**

Amsco Pin Jacks

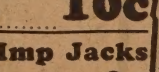


Pin jacks for tips of phone and loud speaker cords. Bronze springs make positive contacts. Highly nickel plated.

No. 4124. List, each, 15c. YOUR PRICE..... **10c**

Carter Imp Jacks

Conceded to be the most rugged, lasting and reliable tip jack on the market. Highly nickel plated. High tension spring makes positive gripping contact.



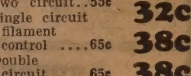
No. 4128. List, 30c. YOUR PRICE..... **18c**

Yaxley Jr. Jacks

Small, well designed jacks extending only 1¼ in. behind panel. Used where space is limited. Staggered terminals facilitate soldering. Wt., 6 oz.

No.		List	NET
4102.	Open circuit	.40c	**24c**
4103.	Closed circuit	.55c	**32c**
4104.	Two circuit	.55c	**32c**
4105.	Single circuit filament control	.65c	**38c**
4106.	Double circuit	.65c	**38c**

Short Jack Switches

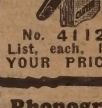


No. 4192. Three position. Closes contact right and left. Central neutral. List, 70c. NET..... **41c**

No. 4193. Two position. Closes two contacts. List, 70c. NET..... **41c**

No. 4194. Two position. 6 spring. Opens 2 and closes 2 contacts. List, 90c. NET **52c**

Carter Tip Jacks



A small, reliable cord tip jack consisting of only two parts. The heavy contact spring insures positive action. Highly nickel plated.

No. 4112. List, each, 10c. YOUR PRICE..... **6c**

Phonograph — Radio Jack Switch

Designed for use in radio receivers to switch from radio to phonograph. Makes three contacts in left position and two in right position. Similar in construction to jack switches shown above. Wt., 8 oz.

No. 2395. List, $1.50. YOUR PRICE. **88c**

Carter Imp Pilot Switch

A one hole mounting switch making positive make or break contact on a quarter turn. Red Pilot light automatically lights. Acts as a constant warning. Wt., 6 oz.

No. 4125. List, $1.50. YOUR PRICE... **88c**

Carter Dialite Switch

Efficient filament switch provided with a 6 volt lamp for illuminating the panel. A quarter turn switches the light on or off. Highly nickel plated. Wt., 6 oz.

No. 4113. List, $1.75. YOUR PRICE **$1.03**

Walbert Panel Light

Used for illuminating the control dials. Wired into the A circuit, they are always "on" when the set is in use. Highly nickel plated hood. Complete with bulb. Wt., 6 oz.

No. 4126. Nickel.
No. 4127. Gold.
List, $1.00. YOUR PRICE..... **58c**

A. C. Switches, Cables, Multi-Plugs

HAGLE PLUGS AND CABLES

A superior power plug and cable incorporating many new refinements in design; housing of brown bakelite. Unaffected by heat or moisture. They are easy to wire—they plug into the socket smoothly, and assure perfect contact. Their special construction prevents twisting of conductors. Furnished complete with 5-ft. cable.

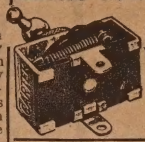
	7 Contact	10 Contact
Plugs with 5-Ft. Cable →	No. 5794. **1.32**	No. 5795. **1.91**
Wall Outlet Socket Consists of socket with standard switch box cover. Brushed brass finish. Socket only. →	No. 5800. **88c**	No. 5801. **1.03**
Panel Mounting Socket Designed for sub-panel mounting with under panel wiring. Socket only. →	No. 5798. **29c**	No. 5799. **59c**
Base Mounting Socket Designed for direct sub-panel mounting. Socket only. →	No. 5796. **44c**	No. 5797. **73c**

A. C. Toggle Switch

A high quality switch made by manufacturers of high grade electrical apparatus. Approved by Underwriters' Laboratories. Suitable for radio line and lamp fixtures. Wt., 6 oz.

No. 5802. YOUR PRICE **29c**

Carter Power Switch



For use with AC sets, etc., on 110 volts circuit. Wt., 10 oz.

No. 4197. Retail, 75c. YOUR PRICE **44c**

Automatic Power Switch

Replaces relays—will control any kind of A or B supply. Wt. 1 lb.

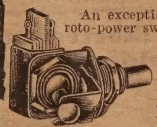
No. 4101. Retail $1.50. YOUR PRICE... **88c**

Pilot A.C. Switch

High grade Bakelite Toggle Switch, designed to handle up to 1½ amps. at 110 volts, suitable for the new AC Receivers. Equipped with brown and silver metal front plate. Wt., 6 oz.

No. 5803. Retail, 45c. YOUR PRICE.. **26c**

A. C. Power Switch



An exceptionally well constructed roto-power switch, single end, built with solder lug. Positive contact controls A.C. current off panel. Inscribed with approval by Underwriters' Laboratories. Wt., 6 oz.

No. 5804. YOUR PRICE..... **31c**

Frost Filament Switch

A compact efficient push-pull type filament switch. Easy to install. Makes positive contact. Wt., 6 oz.

No. 4119. Retail, 30c. YOUR PRICE..... **18c**

Trio Tap

A three-way pin-type cluster with standard parallel prongs to fit into any standard receptacle.

No. 2384. YOUR PRICE.... **11c**

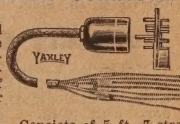
Two and Three Way Plugs

Screws into any light socket. Exceptionally well designed and constructed.

No. 2381. Two way plug. YOUR PRICE..... **20c**

No. 2382. Three way plug. YOUR PRICE..... **46c**

Yaxley Cable Connector Plug



Standard Yaxley Cable Connector Devices, as specified in most of the popular kits.

TYPE 660. Consists of 5 ft. 7-strand connector cable with base or sub-panel type socket.

No. 5805. YOUR PRICE..... **1.76**

TYPE 669. Similar to type 660, but with addition of two phone tip jacks for loud speaker connections.

No. 5806. YOUR PRICE..... **1.91**

TYPE 612. A 4 ft. 12-conductor cable similar to type 660.

No. 5807. YOUR PRICE..... **2.94**

TYPE 614. Similar to type 612, but equipped with two extra jacks for loud speaker connection.

No. 5808. YOUR PRICE..... **3.09**

Extra Tap

Doubles the capacity of a single type receptacle.

No. 2383. YOUR PRICE **14c**

Socket Plug

A two-piece socket plug for screw or wall socket outlet. A real value.

No. 2385. YOUR PRICE **7c**

Lamp Cord Connector

Used for coupling two lengths of lamp cord. Quickly makes or breaks contact. For lamp cord extensions.

No. 2386. YOUR PRICE **19c**

EXTENSION CORD SETS

Six feet of No. 18 twisted lamp cord. Brass shell socket on one end, two-piece separable plug on other end.

No. 2389. YOUR PRICE **59c**

Mica Fuse Plugs

15-amp. size, with clear mica window. In universal demand.

No. 2390. YOUR PRICE.... **3c**

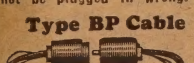
Jones MULTI-PLUG

THE STANDARD SET CONNECTOR

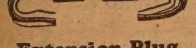
ELIMINATES the unsightly maze of loose wires between the radio set and batteries. Permits the instant connection or disconnection of all wires to set or accessories. Simplifies the wiring of receivers. So designed that it cannot be plugged in wrong.

CONNECTION for ground, aerial and all batteries is provided. Eliminates all chance of errors or burnt out tubes. Three types of sockets make possible a fine workmanlike connecting job on any set. Noted for excellent design and fine workmanship.

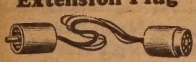
Type BP Cable



Extension Plug



Double Plug



TYPE BM

Base mounting type — may be screwed down to wooden base board or sub-panel.

	7 Contact	10 Contact	12 Contact
WITH 4 FOOT CABLES	No. 5752. 1.47	No. 5753. 1.91	No. 5754. 2.50
WITH 8 FOOT CABLES	No. 5755. 1.62	No. 5756. 2.65	No. 5757. 3.38

TYPE PM

PANEL MOUNTING TYPE

Mounts direct to sub-panel, eliminating binding posts.

	7 Contact	10 Contact	12 Contact
WITH 4 FOOT CABLES	No. 5740. 1.32	No. 5741. 1.76	No. 5742. 2.35
WITH 8 FOOT CABLES	No. 5743. 1.47	No. 5744. 2.50	No. 5745. 3.23

TYPE BP

Furnished with 18 in. leads. For sets already equipped with binding posts.

	7 Contact	10 Contact	12 Contact
WITH 4 FOOT CABLES	No. 5746. 1.62	No. 5747. 2.06	No. 5748 2.65
WITH 8 FOOT CABLES	No. 5749. 1.76	No. 5750. 2.79	No. 5751. 3.53

TYPE WB

Wall box type — fits standard lighting switch box plate. For use where batteries are in basement, etc.

	7 Contact	10 Contact	12 Contact
WITH 4 FOOT CABLES	No. 5758. 1.03	No. 5759. 1.32	No. 5760. 1.76
WITH 8 FOOT CABLES	No. 5761. 1.18	No. 5762. 2.06	No. 5763. 2.65

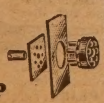
SOCKETS

Type BM

Type BP

Type WB

Type MP



SOCKETS ONLY

Sockets only for use on different sets permitting universal use of cable.

	7 Contact	10 Contact	12 Contact
TYPE PM..... PANEL MOUNTING ..	No. 5764. 29c	No. 5765. 44c	No. 5766. 59c
TYPE MP..... FOR METAL PANELS	No. 5767. 44c	No. 5768. 59c	No. 5769. 73c
TYPE WB..... FOR WALL BOX	No. 5770. 44c	No. 5771. 59c	No. 5772. 73c
TYPE BM..... FOR BASE MTG.	No. 5773. 44c	No. 5774. 59c	No. 5775. 73c
TYPE BP..... WITH 18 IN. LEADS	No. 5776. 59c	No. 5777. 73c	No. 5778. 88c

DOUBLE PLUGS

Consists of six foot cable with plugs on each end. For extensions, etc.

7 Contact	10 Contact	12 Contact
No. 5779. 1.76	No. 5780. 2.79	No. 5781. 3.53

PLUGS ONLY

Offered for those who desire plug alone.

7 Contact	10 Contact	12 Contact
No. 5782. 44c	No. 5783. 59c	No. 5784. 73c

Plugs with Cables

Here you are offered plugs with cables—for use where more than one set is being used.

	7 Contact	10 Contact	12 Contact
WITH 4 FOOT CABLES	No. 5785. 1.03	No. 5786. 1.32	No. 5787. 1.76
WITH 8 FOOT CABLES	No. 5788. 1.18	No. 5789. 2.06	No. 5790. 2.65

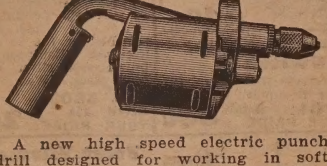
EXTENSION PLUGS

Consists of six foot cable with plug on one end, and socket on other end.

7 Contact	10 Contact	12 Contact
No. 5791. 1.76	No. 5792. 2.79	No. 5793. 3.53

Tools, Soldering Irons, Blow Torches

RADIO ELECTRIC DRILL



A new high speed electric punch drill designed for working in soft and hard woods, metals, bakelite, etc.

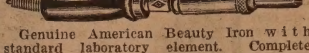
An exceedingly high quality electric drill worth twice the price at which we sell it. Has pistol grip and toggle switch in the handle. Chuck will accommodate any drill up to ¼ in. size.

Ruggedly Constructed

Motor and all parts fully housed. High grade chuck. A necessity for every serviceman. Equipped with cord and plug.

No. 2543. YOUR SPECIAL PRICE **$15.20**

American Beauty Soldering Iron



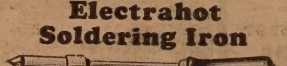
Genuine American Beauty Iron with standard laboratory element. Complete with ⅜ in. tip. Recommended to those who want a high grade heavy duty soldering iron. Measures 12¼ in. long. Wt. 2 lbs.

No. 2514. List Price, $8.00. YOUR PRICE.... **$5.25**

No. 2515. Extra tip. Wt. 6 oz. NET..... **45c**

No. 2550. New 50-watt iron using less heat. Used for telephone or radio. Wt. 18 oz. List Price, $4.50 ..... **$2.93**

Electrahot Soldering Iron



A well designed high grade soldering iron that can be depended upon for years of service. Furnished with two interchangeable tips; one for fine close-in work, the other for heavy work. Complete with cord and two piece separable plug. A real value. Wt. 1 lb.

No. 2512. Large Iron. YOUR PRICE..... **$1.28**

No. 2513. Heavy Duty Iron. Wt. 2 lbs. YOUR PRICE..... **$1.88**

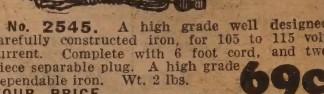
Socket Wrench Set

No. 2506. A set consists of 5 sockets, to fit ¼, ⅜, ⅝, ⅞ and ½ inch hexagon nuts. Attractive ebony finished handles. Wt. 8 oz. YOUR PRICE..... **48c**

Socket Wrench Set For Knurled Nuts

No. 2500. Similar to the socket wrench set above, except designed for use with knurled nuts. Wt., 8 oz. List, 75c. NET..... **44c**

Electric Soldering Iron

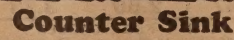


No. 2545. A high grade well designed carefully constructed iron, for 105 to 115 volt current. Complete with 6 foot cord, and two piece separable plug. A high grade dependable iron. Wt. 2 lbs. YOUR PRICE..... **69c**

Hand Drill

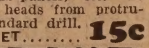
No. 2511. A high grade hand drill for radio, with high quality chuck. Takes bits up to ¼ in. Just the thing for drilling panels, sub-panels, etc. Every set builder should have one of these hand drills in his tool kit. Wt. 3 ½ lbs. YOUR PRICE .. **$1.15**

Set of Drills



No. 2525. High quality carbon steel drills. Set of 4 drills; 4/36, 3/32, 8/32 and 14/20. The necessary sizes for radio set builders. Wt. 4 oz. Set of four. NET..... **29c**

Counter Sink



No. 2507. For countersinking holes in panels, sub-panels, etc. To prevent screw heads from protruding. Fits standard drill. Wt. 6 oz. NET..... **15c**

Reamer

For enlarging holes in bakelite, etc. Keen cutting edge. Wt. 6 oz.

No. 2523. NET..... **17c**

Panel Cutter

No. 2519. A practical tool for cutting circular holes in panels, sub-panels, etc. Adjustable 1½ to 6 in. ⅛ in. shank. Wt. 1 lb. List Price $3.15. YOUR PRICE **$1.85**

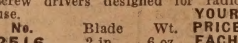
Blow Torch

No. 2547. Heavy duty blow torch. Develops 2000 degrees F. Size, 7x4⅜x1⅛ in. Burns 2 hrs. each filling. Heavy gauge brass. Highly polished. Wt. 1 lb. List. $3.00. NET **$1.95**

Tap and Die Set

No. 2548. Complete set of 6½ in. long stock and adjustable tap wrench and dies to cut 4/36, 6/32, 8/32, 10/24, 14/20. Standard radio sizes. Wt. 3 lbs. List Price, $8.50. NET **$5.60**

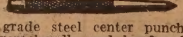
Screw Drivers



Fine tool steel narrow blade screw drivers designed for radio use.

No.	Blade	Wt.	YOUR PRICE EACH
2516.	2 in.	6 oz.	
2517.	3 in.	6 oz.	**9c**
2518.	5 in.	8 oz.	

Radio Center Punch



A high grade steel center punch with narrow handle and hardened point. Wt. 6 oz. NET **10c**

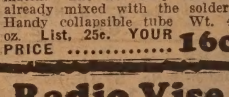
Carborundum Auto Stone

No. 2499. Cuts faster than steel file. For cleaning or cutting. Wt. 6 oz. List 50c. YOUR PRICE..... **38c**

Blow Torch Automatic

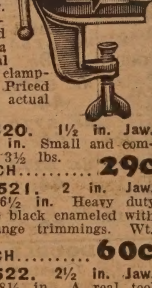
No. 2501. A high grade self blowing alcohol torch that generates its own pressure. Blows long, hot and intensive flame. Handy for all soldering jobs. Wt. 12 oz. YOUR PRICE **75c**

Solderall



No. 2524. Popular paste form of solder that makes perfect joints with the heat of a match. The necessary flux is already mixed with the solder. Handy collapsible tube Wt. 4 oz. List, 25c. YOUR PRICE **16c**

Radio Vise



A handy tool for the set builder and experimenter. Well constructed with a substantial screw type clamping base. Priced way below actual value.

No. 2520. 1½ in. Jaw. Over all 5 in. Small and compact. Wt. 3½ lbs. NET, EACH..... **29c**

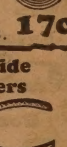
No. 2521. 2 in. Jaw. Over all 6½ in. Heavy duty type frame black enameled with bright orange trimmings. Wt. 6 lbs. NET, EACH..... **60c**

No. 2522. 2½ in. Jaw. Over all 8½ in. A real tool for the work shop. Wt. 8 lbs. NET EACH... **95c**

Hack Saw

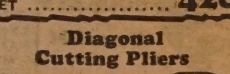
No. 2526. Built to withstand hard use. Expands to hold 12 in. blade. Black enamel handle. Wt. 2 lbs. YOUR PRICE.. **25c**

Rosin Core Solder



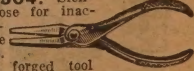
No. 2509. A high grade solder made of virgin tin and lead with rosin core. Noncorrosive. Ideal for radio work. In ¼ lb. coils. Wt. 6 oz. NET PRICE Per ¼ LB. **17c**

Long Nose Side Cutting Pliers



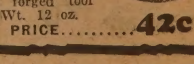
No. 2502. Long flat nose reaches into inaccessible corners. Side cutting. Wt. 12 oz. NET **42c**

Diagonal Cutting Pliers



No. 2503. A necessary tool for radio work. Fine tool steel with hardened cutting edge. Wt. 10 oz. YOUR PRICE..... **45c**

Long Nose Pliers



No. 2504. Slender nose for inaccessible places. Finest forged tool steel. Wt. 12 oz. YOUR PRICE..... **42c**

Set Sundries Cut to the Bone

Push Back Wire

Flexibus A flexible colored hook-up wire that has proven popular with set builders. Makes set wiring easy. Permits wiring circuits in different colors. Packed 25 foot rolls in cartons. Wt. 6 oz.

YOUR PRICE PER ROLL .....

No. 2401. Black
No. 2402. Yellow
No. 2403. Red
No. 2404. Green
No. 2405. Brown

45c

SPAGHETTI COVERED BUS BAR WIRE

A Spaghetti covered No. 14 hard drawn copper wire tinned for easy soldering. Assorted colors. 2½ ft. lengths. Wt. 2 oz.

No.		YOUR PRICE
2406.	Black	
2407.	Yellow	
2408.	Red	
2409.	Green	**6c**

RUBBER COVERED HOOK-UP WIRE

A high grade stranded, tinned copper wire. Rubber insulated. Best for short leads and ease of wiring. Supplied in 25 ft. rolls. Wt. 6 oz.

No.		List Price, 40c. YOUR PRICE
2410.	Red	
2411.	Green	
2412.	Blue	
2413.	Black	
2414.	White	**24c**

MAGNET WIRE

A high quality magnet wire widely used for winding coils, etc. Put up in ½-lb. spools. Every set builder should have some on hand. Wt. 12 oz.

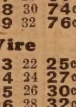
Double Cotton Covered

No.	Ga.	Price	No.	Ga.	Price
2480	14	21c	2485	24	36c
2481	16	24c	2486	26	52c
2482	18	27c	2487	28	61c
2483	20	30c	2488	30	74c
2484	22	35c	2489	32	76c

Enameled Wire

No.	Ga.	Price	No.	Ga.	Price
2490	16	21c	2493	22	25c
2491	18	22c	2494	24	27c
2492	20	24c	2495	26	30c
			2496	28	32c

Switch Points and Stops



Solid brass highly nickel plated. Well proportioned and adaptable for use where specified. Wt. 3 oz.

YOUR PRICE PER DOZ. .....

No. 4202. Switch Points.
No. 4203. Switch Stops.

8c

SWITCH LEVERS

No. 4204. Finely machined switch lever with bronze spring arm assuring perfect contact. Nickel bronzed. Easily mounted. Wt. 4 oz.

YOUR PRICE **10c**

BUS BAR WIRE

Hard drawn copper wire, tinned to facilitate soldering. No. 14 gauge. Square or round. Two-ft. lengths.

No. 2431. Square 10 lengths. Wt. 8 oz. YOUR PRICE **14c**

No. 2432. Square 100 lengths (200 ft.) Wt. 3 lbs. YOUR PRICE..... **$1.14**

No. 2433. Round 10 lengths. YOUR PRICE..... **13c**

No. 2434. Round 100 lengths (200 ft.) YOUR PRICE **$1.05**

Special Made No. 12 Gauge

No. 2435. Round 10 lengths Wt. 12 oz. YOUR PRICE **23c**

No. 2436. Round 100 lengths. Wt. 3½ lbs. YOUR PRICE **$2.10**

FLEXIBLE SPAGHETTI

High grade cambric tubing. Thoroughly impregnated with insulating varnish. Full 30 inch lengths. Supplied in attractive colors. Wt., 2 oz.

No.		YOUR PRICE PER LENGTH ..
2437.	Black.	
2438.	Yellow	
2439.	Red.	
2440.	Green.	**8c**

RADIO SET WIRE

A special soft drawn tinned copper wire, heavily insulated. Furnished in spools of 100 feet. Handy for the set builder and experimenter. Used as hook-up wire, bell or enunciator wire. Cotton covered No. 19 gauge. Wt., 1 lb.

No. 2441. YOUR PRICE PER 100 FEET.. **60c**

LITZ LOOP WIRE

Designed especially for use on loop aerials. Conductor consists of 60 strands No. 38 wire with 5 strands No. 36 wire. Will not stretch. Maroon cotton covered. Wt., 1 lb.

No. 2415. Per 125 ft. YOUR PRICE.... **65c**

SILK COVERED LOOP ANTENNA WIRE

A high grade silk covered loop wire of 60 strands No. 38 copper wire and 5 strands No. 36. Outer covering artificial silk in maroon or green. Will not stretch. Adds to attractiveness of loop. Wt., 1 lb.

No. 2425. Per 125 ft. YOUR PRICE **85c**

LITZ WIRE FOR COILS

Consists of 20 strands of No. 38 enameled wire, attractively covered with a double serving of silk. Used in building low-loss coils. Size is equivalent to No. 25 wire. Wt., 14 oz.

No. 2416. 100 ft. YOUR PRICE **65c**

Fahenstock Connectors

A perfect connector. Supplied in single and double units. Takes the place of binding posts. Makes perfect contact.

No. 4205. Per dozen single. Wt., 4 oz. YOUR PRICE... **12c**

No. 4206. Per dozen double. Wt., 6 oz. YOUR PRICE... **28c**

WIRE CONNECTORS

Sure Tite

Ideal for the set builder and experimenter. Highly nickel plated brass. Locking screw provides firm positive contact. wt., 3 oz.

No. 2417. No. 1 Cord Tip.
No. 2418. No. 2B Spade Tip.
No. 2419. No. 3 Wire Splicer.
No. 2420. No. 4 Spring Connector—takes tip or bus wire.
No. 2421. No. 5A Cord Tip Jack. Has screw and washer.

List each, 10c. YOUR PRICE LOTS OF 10 ..... **65c**

Angle Brackets

Highly nickeled metal brackets. No. 1508 3 in. long, No. 1507 1x1 in., and No. 1505 ⅝x1½ in. Specify styles. Wt., 12 oz.

No. 4207. YOUR PRICE PER 10 ..... **16c**

INDOOR AERIAL TAPE

Used on indoor aerial installations. Flexible and neat. Wt., 8 oz.

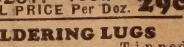
No. 2400. Per 50 ft. roll. YOUR PRICE .. **30c**

BRAIDITE

Flexible stranded hook-up wire with double moisture proof covering. Covering can be pushed back for soldering. Coils of 25 feet. Wt. 6 oz.

No.		List, 35c. each. YOUR PRICE PER COIL...
2442.	Red.	
2443.	Green.	
2444.	Yellow.	
2445.	Brown.	
2446.	Black.	**21c**

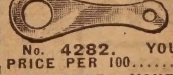
PHONE TIPS



Highly nickeled, standard size phone tips. Wt., 4 oz.

No. 4281. YOUR SPECIAL PRICE Per Doz. **29c**

SOLDERING LUGS



Tinned copper soldering lugs. Wt., 4 oz.

No. 4282. YOUR PRICE PER 100..... **20c**

No. 4283. YOUR SPECIAL PRICE PER THOUSAND LUGS **145**

SHAKEPROOF LUGS AND WASHERS

Soldering lug and washer of phosphor bronze. Will not jar loose. Wt., 4 oz.

No. 4226. Washers per 100. YOUR PRICE **39c**

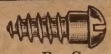
No. 4225. Lugs per 100. YOUR PRICE **35c**

SCREW ASSORTMENTS

A handy assortment of wood screws, machine screws, nuts and washers, in sizes most needed. A real value. Wt., 12 oz.

No. 4149. List Price, 50c. YOUR PRICE **29c**

Round Head Wood Screws



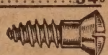
Sizes 5 and 6. Per Gross

No. 4213. Length, ⅜ in. Wt., 6 oz. **42c**

No. 4214. Length, ½ in. Wt., 6 oz. **51c**

No. 4215. Length, ¾ in. Wt., 8 oz. **54c**

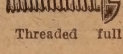
Oval Head Wood Screws



Sizes 6 and 7. Proper size for radio work. Wt., 6 oz. Per Gross

No. 4211. Length, ½ in... **47c**
No. 4212. Length, ¾ in... **48c**

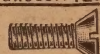
MACHINE SCREWS Round Head



6-32 thread. Threaded full length.

No.		YOUR PRICE PER GROSS..
4208.	Length ½ in. Wt. 6 oz.	
4209.	Length ¾ in. Wt. 8 oz.	
4210.	Length 1 in. Wt. 12 oz.	**42c**

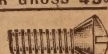
MACHINE SCREWS Flat Head



For counter-sinking. 6-32 thread.

No.		YOUR PRICE PER GROSS
4216.	Length ½ in. Wt. 6 oz.	
4217.	Length ¾ in. Wt. 8 oz.	
4218.	Length 1 in. Wt. 12 oz.	**45c**

MACHINE SCREWS Oval Head



For counter-sinking. 6-32 thread. Oval head, neat appearing.

No.		YOUR PRICE PER GROSS
4219.	Length ½ in. Wt. 6 oz.	
4220.	Length ¾ in. Wt. 8 oz.	
4221.	Length 1 in. Wt. 12 oz.	**48c**

FLAT WASHER

No. 4280. Highly nickeled brass washer. Wt., 4 oz.

YOUR PRICE PER GROSS **25c**

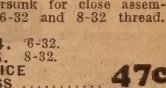
HEXAGON NUTS

Nickel plated brass. Chamfered and countersunk for close assembly. For 6-32 and 8-32 thread. Wt. 8 oz.

No. 4284. 6-32.
No. 4285. 8-32.

YOUR PRICE PER GROSS **47c**

PANEL LIGHT



Highly nickel plated hooded light for illuminating dials. Complete with 6 volt, 2 C. P. bulb. Wt. 6 oz.

No. 4120. List, 75c. YOUR PRICE **43c**

Inductance Switches

A high grade sturdily constructed compact inductance switch furnished complete with pointer knob. Wt. 6 oz.

No.		List	YOUR PRICE
4116.	4 point	$1.00	59c
4117.	7 point	1.15	69c
4118.	9 point	1.25	74c

Panels, Brackets—Binding Posts

LIGNOLE PANELS

TWO-TONE BEAUTIFULLY INLAID

Lignole radio panels add attractiveness to the receiver. Their natural wood finish blends harmoniously with the cabinet. Genuine laminated ply wood. Will not warp. A ¾ in. beautiful marqueterie of satin wood and white holly trims the outside edge, producing a beautiful two-tone effect. Easy to drill with wood or metal twist drills. Av. wt., 3 lbs.

No.	Size	List	NET
4601	7×21	$6.94	3.84
4602	7×18	6.52	
4603	7×24	7.36	4.33
4604	7×26	7.64	
4605	7×28	7.92	4.67
4606	7×30	8.20	

Goodrich Silvertown Rubber Panels

The finest quality hard rubber panels. Nationally advertised. Perfect size. Non-warping. Each in genuine Goodrich Silvertown envelope. ⅛ in. thick. Easy to work. Av. Wt. 3 lbs.

No.	Black	Inches	No.	Walnut or Mahogany
4623	$0.57	7×12	4630	$0.72
4624	.75	7×14	4631	.88
4625	.93	7×18	4632	1.14
4626	1.09	7×21	4633	1.32
4627	1.25	7×24	4634	1.47
4628	1.37	7×26	4635	1.68
4629	1.47	7×30	4636	1.85

Bakelite Tubing

Genuine bakelite, designed especially for winding low-loss coils. 3 in. lengths with ⅛ in. thick wall. Inside diameter given.

No.	Diameter	Each
2539	2 in.	14c
2540	2½ in.	16c
2541	3 in.	19c
2542	3½ in.	22c

Threaded Tubing—Bakelite

No. 2535. For winding low-loss, space-wound coils and inductances. Threaded with 104 turns, 88 threads to the inch. Measures 1⅝x1¼ in. outside diameter, ⅛ in. wall. Accurately covers the broadcast band with .00035 condenser.

YOUR PRICE, EACH **21c**

Genuine Bakelite Panels

Genuine bakelite in glossy black, mahogany or walnut. Finest panel material. Our enormous stock and buying capacity enables us to offer the very best in paneling at greatly reduced prices. Our large stock assures prompt shipments. Av. wt. 2 lbs.

⅛-inch Thick No.	Each	Panel Size Inches	¼-inch Thick No.	Each
4607	$0.58	7× 6	4613	$0.58
4608	.77	7× 9	4614	.91
4609	.85	7×12	4615	1.25
4610	1.23	7×14	4616	1.38
4611	1.36	7×18	4617	1.75
4612	1.49	7×21	4618	2.10
Supplied in ⅛-inch only		7×24	4619	2.40
		7×26	4620	2.55
		7×28	4621	2.78
		7×30	4622	3.05

Genuine Bakelite Sub-Panels

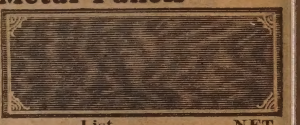
Will be furnished at square inch rate. Any size.

Panels Cut to Your Size

⅛-inch Thick. Per square inch..... 1¾c

Vee Dee Metal Panels

Beautifully decorated metal panels. Strikingly finished in attractive natural wood grains. Acts as shielding for the set. Metal panels are easy to drill. This is the latest in panel beauty and design. Av. wt., 3 lbs.



No.	Size	List	NET
4637	7×18	$1.80	$0.98
4638	7×21	2.10	1.17
4639	7×24	2.40	1.32
4640	7×26	2.60	1.43
4641	7×28	2.80	1.55
4642	7×30	3.00	1.66

Sub-Panel Brackets

No. 2534. For rigidly mounting the sub-panel to the front panel. Highest quality, well designed of highly nickeled brass. They add to the appearance of your receiver. A big special. Wt., 10 oz.

YOUR PRICE, Per Pair **27c**

Benjamin Sub-Panel Brackets

Panel and sub-panel mounting brackets. Highly nickeled brass. Adjustable type for sloping panel at any angle. Wt., 1 lb.

No. 2536. Upright. List Price, 70c. PER PAIR. **41c**

No. 2537. Adjustable. List Price, $1.25. PER PAIR. **73c**

Lettered Binding Posts

No. 4177. Special engraved binding posts. Highly polished. Simplifies connections. Set of seven: A+, A—, B+, B+Det., B—, aerial and ground. Wt., 10 oz.

List, 50c Per Set. YOUR PRICE..... **21c**

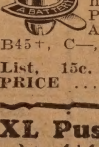
Bakelite Binding Post Strip

Marked binding posts with soldering lug mounted on bakelite strip. Accessible terminals. Holes for mounting. Wt., 8 oz.

No. 4131. 5-Post Strip; A+, A—, B+, B—, B+Det.... **24c**

No. 4132. 7-Post Strip; Ant., Gnd., A+, A—, B+, B—, B+Det. **29c**

XL Push Posts



No. 4142. Positive contact all metal binding posts. Push top, insert wire or phone tip. Furnished with lugs and the following markings: Ant., Gnd., Phones, Speaker, A—, A+, B—, B+, B22½+, B45+, C—, C+, Loop.

List, 15c. YOUR PRICE **9c**

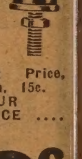
XL Push Post Strips

No. 4143. Highly polished bakelite strip mounted with seven XL push posts. XL push posts have a positive grip. No screwing. Wt. 8 oz.

List Price, $1.50. YOUR PRICE **85c**

Eby Ensign Binding Posts

Patented. Non-removable engraved tops. Complete with nut and soldering lugs.



No. 4151.	Ant.
No. 4153.	Short Ant.
No. 4154.	Gnd.
No. 4155.	Loop.
No. 4156.	Speaker +
No. 4157.	Speaker —
No. 4158.	A Bat. +
No. 4159.	A Bat. —
No. 4160.	B Bat. +
No. 4161.	B Bat. —
No. 4162.	C Bat. +
No. 4163.	C Bat. —
No. 4165.	45 volts +
No. 4166.	67 volts +
No. 4167.	90 volts +
No. 4168.	135 volts +
No. 4169.	150 volts +
No. 4170.	B+Power
No. 4171.	B Det.+
No. 4173.	C—Power
No. 4174.	+
No. 4175.	—
No. 4176.	Plain.

List Price, each, 15c. YOUR PRICE **9c**

Baseboards

Wood baseboards. Well seasoned. No capacity effect or leakage. Well stained. ⅜ to ½ inch thick. Wt., 1-5 lbs.

No.	Size	NET
4650	6½x17 in.	23c
4651	6½x20 in.	26c
4652	6½x23 in.	29c
4653	9 x17 in.	35c
4654	9 x20 in.	39c
4655	9 x23 in.	45c
4656	9 x29 in.	55c
4657	14 x17 in.	50c
4658	14 x20 in.	58c
4659	14 x23 in.	65c
4660	14 x29 in.	75c

Battery Cable

Flexible color coded battery cable. Stranded, rubber covered wire with a colored cotton braid, enclosed in mercerized cotton cable braiding. Wt., ½, 1½, 2 lbs.

	NET
No. 4517. 25 ft. coil 5-wire cable....	1.20
No. 4518. 25 ft. coil 6-wire cable....	1.50
No. 4519. 25 ft. coil 7-wire cable....	1.80

Binding Post Mounting Strips

Drilled for mounting binding posts. 3-16 inch thick. Strips unlettered. Wt., 6 oz.

No. 4661.	For 10 posts	30c
No. 4662.	For 9 posts	26c
No. 4663.	For 8 posts	22c
No. 4664.	For 7 posts	20c
No. 4665.	For 6 posts	18c
No. 4666.	For 5 posts	16c
No. 4667.	For 4 posts	15c
No. 4668.	For 3 posts	14c
No. 4669.	For 2 posts	13c

Eby Binding Post Strip

No. 4144. Seven Eby binding posts having markings Ant., Gnd., A+, A—, B—, B Det+, B Amp., mounted on binding post strip with brackets and wood screws. Wt., 10 oz.

List Price, $1.25. YOUR PRICE..... **73c**

Crystals — Extension Cords — Switches

EXTENSION CORD and PLUG

A new extension cord set, complete with plug. For coupling loud speaker to extension cord. Best results are obtained when speaker is kept at a distance from the set. High quality cord with genuine bakelite connector plug. Wt., ½ to 1 lb.

No. 2391. 10 ft., with plug. YOUR PRICE..... 44c

No. 2392. 20 ft., with plug. YOUR PRICE..... 52c

No. 2393. 50 ft., with plug. YOUR PRICE..... $1.20

Stranded Wire EXTENSION CORDS RUBBER-COTTON COVERED

Exceptionally high grade cord of finely stranded copper wire, rubber covered, high quality brown mercerized cotton. Complete with connector plug. Wt., 1 lb.

No. 2475. 10 ft., with plug. Retail, 75c. YOUR PRICE..... 44c

No. 2476. 20 ft., with plug. Retail, $1.00. YOUR PRICE..... 59c

No. 2477. 50 ft., with plug. Retail, $1.75. YOUR PRICE.. $1.03

RAYON COVERED

A high grade stranded, rubber covered extension wire, with Rayon, in an attractive Old Gold color. Wt., 1 lb.

No. 2478. 20 ft., with plug. Retail, $1.35. YOUR PRICE..... 79c

No. 2479. 50 ft., with plug. Retail, $2.50. YOUR PRICE.. $1.47

EXTENSION PLUGS

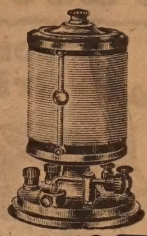
No. 2394. Bakelite connector for speaker and extension cord. Will couple speaker and extension cord so that loud speaker may be moved any distance from the set. Wt., 4 oz. YOUR PRICE..... 18c

Morris Ground Clamps

New, rugged, adjustable ground clamp. Bites into metal pipe right through rust or corrosion for perfect contact. A perfect ground connection is a necessity to every set. Be sure you have a good ground. Wt., 3 oz.

No. 4148. YOUR PRICE, EACH 10c

NEW PANDORA CRYSTAL SETS



One of the outstanding set values of the season. Nationally known. Exceptionally simple adjustment. Covers entire broadcast band, providing a 20 to 30 mile range—greater range on high powered stations. Perfect tone quality. An unusual value. Wt., 2 lbs. No. 4146. List Price, $1.75. YOUR PRICE..... 98c

Pandora Sets, Completely Equipped

The Celebrated Pandora Crystal Set, with all accessories, ready to be set up and put into operation. Includes all necessary ground and aerial equipment with high quality head phones. A quality combination at a low price. Wt., 6 lbs. No. 4147. Your Special Price $3.80

CRYSTALS FOR CRYSTAL AND REFLEX SETS

MOUNTED CRYSTALS

No. 4133. Silicon, galena and carborundum combination. Complete surface is sensitive. Thoroughly tested. Wt., 2 oz. NET .. 10c

Unmounted Crystals

No. 4134. Genuine Galena Crystal, unmounted. Six sensitive sides. Wt., 2 oz. NET ... 4c

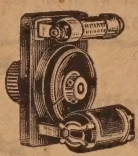
Meter Tested Crystals

These are exceptionally fine quality crystals. Laboratory tested on sensitive meters. wt., 2 oz.

No. 4195. Silicon.

No. 4196. Galena. NET 39c

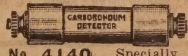
CARBORUNDUM STABILIZING UNIT



Revolutionizes crystal detectors. As easy to control as a vacuum tube with a rheostat. Operates with flashlight cell at peak of efficiency. Full control of oscillation. Replace old crystal with this unit and realize full efficiency from any circuit. Requires small flashlight cell. Wt., 1 lb.

No. 4141. List Price, $3.50. YOUR PRICE WITHOUT CELL..... $2.20

CARBORUNDUM DETECTORS



No. 4140. Specially selected sensitive carborundum crystal detector. Sealed under pressure. Permanently sensitive. For reflex sets or where crystals are used. Wt., 3 oz. List, $1.50. YOUR PRICE.. 96c

MICROPHONE BUTTONS

Carbon granule type. Can be applied to any vibrating surface or diaphragm. Used for broadcast modulation; for telephone and repair work; for detectophones; stethoscopes, amplifiers, etc. Offers the means of building a powerful speech amplifier. Instructions included. Wt. 4 oz.

No. 2422. Retail Price, $1.00. YOUR PRICE..... 65c

TEST BUZZER

No. 2423. Watch case buzzer. Polished nickel finish. Diam., 2⅝ in. Shpg. wt., 4 oz. EACH 76c

Test Buzzer Push Button

No. 2424. A small, compact button with pearl center. Held in ⅝ in. hole by small spring clips. Wt., 2 oz. EACH 21c

MINIATURE SWITCHES

Small, reliable switches — neat, for panel or baseboard mounting. Nickeled arm and contacts. Base and handle, hard rubber. Single-throw, 1½ in. long. Double-throw, 2½ in. long. Wt., 8 oz.

No. 2426. Single-Pole, Single-Throw. NET..... 36c

No. 2427. Single-Throw, Double-Throw. NET..... 42c

No. 2429. Double-Pole, Double-Throw. NET..... 60c

PORCELAIN KNIFE SWITCHES

Heavy copper blade and contacts, insulated handle. Porcelain base. Screw terminals. Superior for antenna, grounding or battery charging switch. Wt., 1 lb.

No. 6007. Single-Pole, Single-Throw. NET..... 13c

No. 6008. Single-Pole, Double-Throw. NET..... 21c

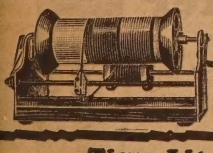
No. 6009. Double-Pole, Single-Throw. NET..... 23c

No. 6010. Double-Pole, Double-Throw. NET..... 30c

RADIO INSULATING CEMENT

No. 4145. Used to hold wire coils when wound on form. Also for self-supported coils. Dries quickly and forms a stiff, hard film. Splendid insulator and free from capacity effect. Wt., 1 lb. YOUR PRICE..... 18c

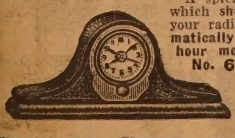
WIZARD COIL WINDER



Winds any style coil with silk enamel or cotton wire of any thickness from ⅜ to 4½ inch diameter up to 10 inches in length. Adjustable automatic feeder and spacer. Ratchet gear prevents wire loosening. Insures uniform coils of finest workmanship. Coils cannot come undone once they have been anchored. Gives that desirable factory touch to the coils. Shpg. wt., 3 lbs.

No. 6222. List Price, $7.50. NET..... $5.00

Time Lite Electric Time Switch Clock



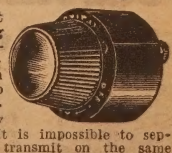
A splendid quality beautiful clock fitted with an electric switch device which **shuts off radio set at any time you wish.** Permits you to leave your radio set operating for any length of time and **the clock will automatically switch off the set at any predetermined time. A reliable 30 hour movement.** Uses no current.

No. 6213. For battery and B eliminator operated sets. Retail List Price $6.50. YOUR PRICE $3.90

No. 6223. For A.C. sets or sets with A eliminators. Will break 110 volt circuit. List $8.50. YOUR PRICE..... $5.01

C. R. L. Station Selector

Not a Wave Trap



Tunes out short wave interfering stations. Increases selectivity of any set on stations close to locals. **No adjustment. Simply turns on and off.** It is impossible to separate stations that transmit on the same wave length. Stations that broadcast close enough to each other to cause interference, however, may be separated with ease with the Centralab station selector. Makes local stations tune sharply. **Simple to install, just connect it in series with antenna lead in.**

No. B6212. List Price, $1.00. PRICE 58c

Fast Selling Special Features

Combination Waffle Iron Grill, Toaster, Table Stove

Four appliances in one unit for quickly, easily and economically preparing breakfast, lunch or dinner on the dining room table.

Waffle Iron

Connect plug on the two center terminals for baking full 7 in. waffles without grease or smoke. Deliciously crisp and brown. Iron is of heavy cast aluminum with nichrome heating units in each half.

Broiler or Grill

By switching to the grill portion of this wonderful combination appliance, steaks, chops, bacon, etc., will be grilled so quickly that all the juices will be retained giving a delicious flavor.

Toaster

By plugging into the toaster section deliciously crisp golden brown toast may be made quickly.

All parts highly polished nickel over copper. Handsome appearance. Generous 10" tray will catch all drippings and protect table. Furnished with two piece attachment plug and heater plug with built in thumb switch. Broiling pan furnished is large and deep. Ebony legs, no metal can scratch table.

Guaranteed. Manufacturer guarantees this unit against burn out for two years and agrees to replace heating units within two years of sale. **The Biggest Appliance Value and the Greatest Holiday Feature Ever Offered.**

As a waffle iron alone it is well worth our special feature price. Wt. 10 lbs.

No. 8235. List $12.00. YOUR PRICE..... **$7.00**

GOLD SEAL Bowl Heater

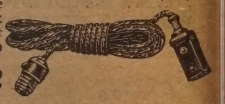
Oversize 14-inch solid copper highly polished reflector. Nichrome element. A real handsome heater and one of the fastest sellers. **Well constructed.** Shipped complete with cord and plug. Wt. 8 lbs.

No. B8546. List, $5.00. YOUR PRICE... **$3.27**

No. B8547. Heater elements for all standard heaters. Cone shaped porcelain core. List, $0.60.

YOUR PRICE..... **40c**

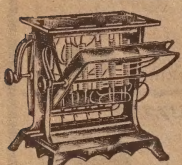
Appliance Cord With Switch Plug



Standard appliance plug with built in double contact toggle switch. Plug has phosphor bronze contacts. Furnished with six feet of flexible blue and gold heater cord with standard two piece socket plug. Wt 1 lb.

No. 8234. List $1.00. NET..... **59c**

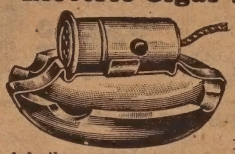
Gold Seal Reversible Toaster



A toaster of special construction toasting the bread evenly without bulging, scorching, or burnt centers. Nickel plated, including 6 ft. cord — an extraordinary buy. Wt. 3 lbs.

No. B8223. List Price $3.50. YOUR PRICE..... **$2.30**

Electric Cigar Lighter with Tray



A neat and serviceable combination of lighter and blue tinted glass ash tray of generous size and weight. Finished in nickeled silver.

Simply plug the cord into any electric light socket. Press the button and immediately the lighter is glowing hot. No flints—no inflammable liquids. A true electric lighter. Heating element is replaceable. Wt. 1 lb.

No. 8238. List $3.75. NET **$2.39**

No. 8239. Extra Heating Unit. Wt. 6 oz. List, $0.75. NET..... **48c**

Handy Electric Cigar Lighter

Plug into any electric light socket, press the button on the lighter stand and the heating element instantly glows at a red heat.

Furnished with six feet of braided cord and separable plug for use on any 105 to 120 volt current either A.C. or D.C. Antique verdinile finish. Diameter of base 3¾ in., 5 in. high. Wt., 1 lb.

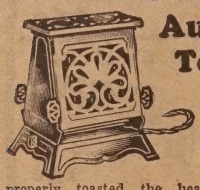
No. 8240. List $2.00. NET **$1.18**

ARTISTIC MODEL

Sterling silver plate. Handsome Butler silver finish.

No. 3241. List $3.75. NET.... **$2.21**

HOTPOINT Automatic Toastover Toaster



Adjustable automatic time control. When the bread is properly toasted the heat is automatically shut off. All that is necessary is to set the automatic time control and turn on current. Keeps the toast hot until served. Toasts two slices at a time. Toastover type—turns the toast. Shipping weight 5 lbs.

No. 8236. List $9.75 100 to 120 volt. YOUR PRICE **$7.16**

Dialite Lamp

Radio lamp beautifully finished in gold. Placed on the top of the radio set and connected with the battery it will light up the panel of the radio set without glare. Has weighted base and three foot cord. Connects with any six volt storage battery. Furnished complete with bulb. Adjustable arm and shade. Small, light and portable. Wt. 5 lbs.

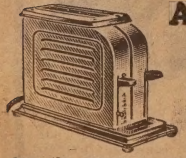
No. 6216. List $3.00. NET **$1.18**

Eagle Radio Lamp

No radio set is complete without this beautiful lamp. The correctly shaped reflector diffuses a soft glow on the panel of the set and enables the operator to tune in easily. Light is reflected right to the panel and does not glare. Finished in statuary bronze with six feet of silk cord and attachment plug. Wt. 2 lbs.

No. 6217. List $4.50. YOUR PRICE **$2.65**

Toastmaster Automatic Toaster



Always makes perfect golden brown slices of toast. Drop in a slice of bread, press a lever and when the toast is done the current is automatically turned off. Both sides are toasted at the same time in an enclosed oven. Takes only half the time to toast a slice of bread this way than is possible when each side is toasted singly. Wt. 3 lbs.

No. 8237. List $12.50. NET **$8.79**

Electric Drink Mixer

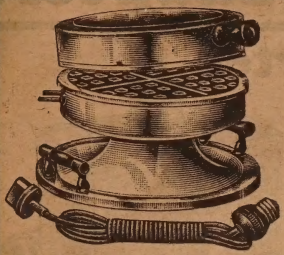
An electrical household appliance designed to give efficient service for every mixing purpose in the home. It will quickly and thoroughly mix salad dressings, ingredients for cakes, filling for pies, meringue, cocoa, whip cream and beat eggs. Will mix drinks from the lightest to the heaviest. Full automatic in operation, it is a reproduction of the big and expensive ones in use by confectioners and drug stores.

Economical in Operation

The cost of operation of this little mixer is but a fraction of a cent a day. The cup has a capacity of one pint. So designed that when the cup is put in place the motor starts making it full automatic in operation. It is a modern labor saving device and should be in every home. It is economical to operate and its low price puts it within easy reach of every home.

No. 8029. Retail Value, $8.00. YOUR PRICE **$4.45**

FEATURE ELECTRICAL SPECIALS



Gold Seal Waffle Iron

Makes full sized, Crisp-golden brown waffles. Nichrome element. 7½ in. diameter waffles. The finest iron you could buy. Metal parts made of brass nickel plated. Well packed. Drip pan prevents batter from dropping to table cover. A wonderful value. Wt. 7 lbs.

No. 8222. List Price $7.50.
YOUR PRICE **$4.90**

White Cross Waffle Iron

Made of heavy pressed steel with highly polished nickel finish; the grids are of heavy die-cast aluminum. The base extends beyond the iron proper to catch any batter dripping. Specially designed air chamber. Keeps base always cool. Wt. 7 lbs.

No. 8242. List $6.80.
Complete with cord.
YOUR PRICE **$4.33**

White Cross Hot Plate

Superior electric stove. Constructed of sheet steel, finished in a glossy black color with nickel plated legs. Genuine Nichrome heating element. Size, 9x9x5½. Shipping weight, 5 lbs.

No. 8243. List, $1.50.
YOUR PRICE..... **96c**

2-Burner Stove

Each burner operates independently or both together. Has individual "On-Off" switches. Constructed of sheet steel, highly finished, triple baked black color with all nickel plated legs. Finest grade Nichrome heating element. Complete with heater cord. Size 9x18x5½. Wt. 10 lbs.

No. 8244. List $4.50.
YOUR PRICE **$2.87**

Hotpoint Automatic Iron

Maintains any degree of heat. Set at low for light work; high for heavy—or any heat between.

You don't need to pull the plug, yet the current is automatically turned off a good part of the time. Automatically maintains any desired temperature, irons faster, economical to use, absolutely safe—it can't over heat.

Heat Throttle

Automatic heat control. One piece Hotpoint construction. Thumb-rest. Hinge plug. Rigid handle, heel stand.

No. 8252. List $8.80.
YOUR PRICE **$6.47**

White Cross Iron

Tapered point—perfect balance—heel rest—highest quality 6 lb. iron. Mirror nickel finish. Full length heater. Best quality two piece attachment cord. Shipping weight 7 lbs.

No. 8245. List $5.00.
YOUR PRICE **$1.81**

Gold Seal Curling Iron

Handsome iron furnished in four colors with silk cord. Complete with another cord and plug. Wt. 1 lb.

No. 8207. Blue.
No. 8208. Pink.
No. 8209. Ivory.
No. 8210. Black
List Each $1.00.
YOUR PRICE **66c**

Gold Seal Pressing Irons

6-Pound Iron

Graceful, easy to handle, durable. Perfectly balanced with perfect shaped handle that does not tire the wrist. Highly finished.

No. 8248. List $4.50.
YOUR PRICE **$2.87**

3-Pound Iron

Particularly handy for ironing laces and dainty fabrics. Complete with cord and plug.

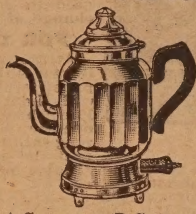
No. 8249. List $3.50.
YOUR PRICE **$2.23**

1-Pound Iron

A handy iron for traveling. Extremely small yet quite practical for light work. High nickel finish. Complete with cord.

No. 8250. List $1.25.
YOUR PRICE **79c**

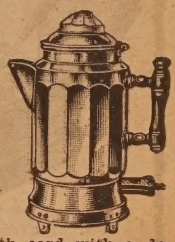
White Cross 9-Cup Percolator



Made of heavy pure aluminum with absolutely no seams, welds or rivets in bottom of pot. Has new patented spray fountain top. Sealed Nichrome moisture proof heating element. Complete with cord and plug. Operates on any 105 to 120 volt A.C. or D.C. current. Shipping weight 4 lbs.

No. 8246. List $5.80.
YOUR PRICE **$3.69**

White Cross 8-Cup Percolator



New 8-cup spray fountain percolator of highest quality.

Made of heavy gauge aluminum without seams or welds. No rivets in bottom of pot. Cannot leak.

Has dependable metallically sealed Nichrome moisture proof element. Furnished with best quality standard length cord with a detachable two piece plug. Will operate from any 105-120 volt AC or DC current. Shipping weight 3 lbs.

No. 8247. List $3.90.
YOUR PRICE **$2.49**

Gold Seal Heating Pads

Highest quality 3 heating pad. Made of soft virgin wool. Each pad is furnished with a washable slip cover. Has a 9 ft. silk heating cord and a 3 heat switch. Comes in four colors. The biggest heating pad bargain ever offered. Weight each 2 lbs.

No. 8211. Blue.
No. 8212. Rose.
No. 8213. Tan.
No. 8214. Gray.
List Price, each, $5.50.
YOUR PRICE **$3.66**

URN PERCOLATOR

COLONIAL DESIGN

Made of heavy aluminum highly nickel plated in the popular Colonial Panelled design. Its high lustrous finish and beautiful overall appearance will win for it the instant admiration of the most critical. The element is of a new improved type hermetically sealed and moisture proof.

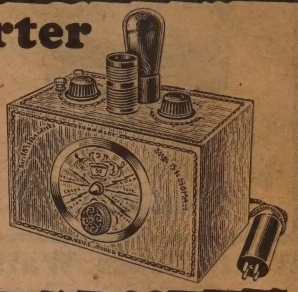
FULL 9 CUP CAPACITY

The full 9 cup capacity of this attractive Urn Percolator adapts it for use in any home. Complete with cord and two piece separable plug. Designed for operation on 110-120 volt alternating or direct current. A real value.

No. 8200. List $15.00.
NET **$8.82**

Latest Short Wave Adapters

New Dresner Shielded Converter



A practical highly efficient short wave converter that instantly adapts any receiver for reception on short wavelengths. No extra tubes are required for its operation—nor does its use prevent the reception of broadcast music on the usual wavelengths in the regular broadcast band.

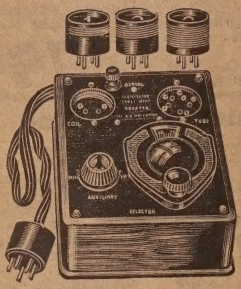
No Changes In Receiver Wiring Necessary

The entire unit is housed in an attractive metal cabinet of mahogany finish, measuring 8¼x5¼x5¼ inches high. Easy to operate, having only one dial which is the wavelength tuning control. Five plug-in type short wave coils are supplied with each unit making it possible to cover a wave band of 15 to 550 meters. Available for use with AC or DC sets. Weight each 4 pounds.

$9.45

No. 8205. (For A-C Sets)
No. 8206. (For D-C Sets) List, $16.50. NET.....

A. C. Dayton-Flewelling Short Wave Adapter



This adapter, when used in connection with **your present receiver,** will cover a **wave length range of from 18 to 80 meters** through the use of **three interchangeable plug-in coils.** This famous adapter can be used in your set **without any change of set wiring whatever.**

FOR 18-80 METERS

Attractively finished in **Adam Brown** with an engraved control panel which will harmonize with the finest of radio cabinets. Furnished complete, **ready to operate.** Just plug the adapter plug into the radio set and connect the aerial to the adapter, and short waves are then available on the **regular broadcast receiver.**

$8.82

No. 8017. For A.C. sets.
No. 8018. For D.C. sets.
Retail price, $15.00. YOUR PRICE....

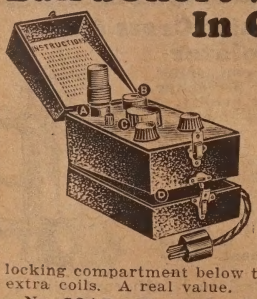
Baird Short Wave Adapter

Here the Baird Short Wave Adapter is offered ready for use with any A.C. or D.C. set. With the interchangeable coils that are furnished, it will cover a wave length range of from 18 to 80 meters. The famous converter can be used in conjunction with your present set without any change of set wiring whatever. Just plug the adapter plug into the radio set and connect the aerial to the adapter and short waves are then available on your regular receiver.

$9.75

No. 8218. For A.C. sets.
No. 8219. For D.C. sets.
List, $16.00. NET.....

Baird Short Wave Adapter In Carrying Case

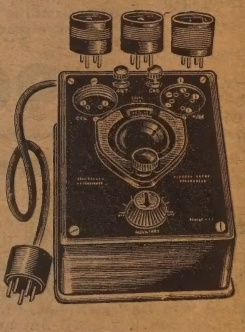


A new short wave adapter that puts a new thrill in distant reception at your finger tips. Can be used with any radio receiver. Works on any antenna, short or long, inside or outside. Sharp tuning is provided by using a straight line frequency tuning condenser and vernier dial. Interchangeable coils cover the entire low wave band. Housed in a substantial hinged case with special locking compartment below to hold extra coils. A real value.

$10.85

No. 8215. For A.C. sets.
No. 8216. For D.C. sets.
List, $21.50. NET.....

Air King Short Wave Adapter



A practical **short wave converter** designed for use in conjunction with a broadcast receiver, covers a **wave range of from 18 to 78 meters.** Simple to install. Will create a **new pleasure** in radio reception and you will **marvel at the unusual distance your set will bring in** when used on a shorter wave band.

Available for use with **both A.C. and D.C. receivers,** it offers an ideal unit for the **radio enthusiast** who desires to **pro e the ether** in the short wave bands.

D. C. Model No. 8015

Equipped with four-prong adapter for use on D.C. sets. Retail price, $14.50. **YOUR PRICE .....**

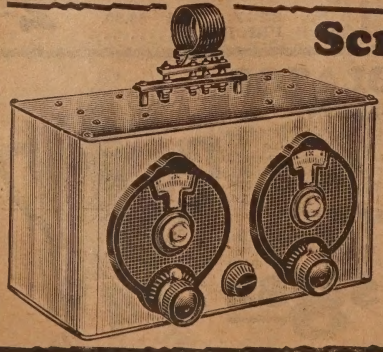
$8.45

A. C. Model No. 8016

Equipped with five-prong adapter for use in A.C. receivers. Retail price, $15.00. **YOUR PRICE.....**

$8.75

Screen Grid Short Wave 4



A Screen Grid Short Wave receiver consisting of one stage of screen grid R.F., aperiodically tuned, followed by a smooth working regenerative detector and two stages of audio. Supplied with three coils providing a wave length range of from 18 to 120 meters. The coils plug into the top of the receiver—are self supporting and plug in easily with no binding or sticking.

Completely Wired—Ready to Operate

The complete four tube receiver is contained in a beautiful satin finished aluminum cabinet only 10½ inches long, 6 inches high and 5 inches deep—completely shielding the coil from the rest of the circuit and assuring greater stability. Operation requires one UX 222 Screen Grid Tube, two UX 201-A tubes and one type X 112-A power tube. A color coded and clearly marked cable is provided for all battery connections. A real value.

$32.90

No. 8217. List, $56.00. NET.....

IT'S EASY TO ORDER FROM THIS CATALOG

CAREFUL ORDERING SAVES TIME

BE sure to give specified shipping instructions with every order. Write your name and complete address plainly. It will avoid errors and assure prompt delivery. If you fail to give shipping instructions, we will ship according to our own best judgment.

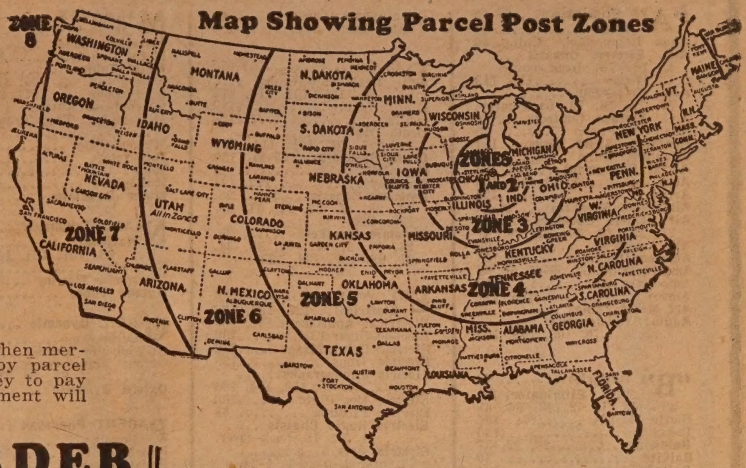
Net Prices

Net prices are quoted in this catalog. No further discounts of any kind will be allowed. Our terms are strictly cash with order or C. O. D. Orders from distant points for heavy merchandise to be shipped C. O. D. should be accompanied by a check as part payment.

All Prices F. O. B.

All prices quoted are F. O. B. and when merchandise is ordered to go forward by parcel post, be sure to include enough money to pay postage. Send enough—any overpayment will be promptly refunded.

Map Showing Parcel Post Zones



HOW TO ORDER

USE OUR ORDER BLANKS

Use the order blank enclosed for your first order. Fill out plainly. It will avoid errors. Additional order blanks will be supplied on request. Remit by express money order, postoffice money order, bank draft or personal check. If on arrival, packages appear to have been tampered with in any way, have the agent note the damages on your receipt.

Table of Approximate Rates

Per 100 lbs. for Express and Freight

From Chicago to	Express Per 100 Pounds	1st Class Freight per 100 Lbs.	From Chicago to	Express per 100 Pounds	1st Class Freight per 100 Lbs.
Alabama	$3.75	$2.40	Nebraska	$3.90	$2.25
Arizona	7.30	4.50	Nevada	9.10	5.50
Arkansas	3.59	2.20	N. Hampshire.	4.00	1.49
California	10.05	5.10	New Jersey	3.75	1.42
Colorado	6.15	3.65	New Mexico	6.60	3.35
Connecticut	3.85	1.45	New York	3.35	1.40
Delaware	3.70	1.40	No. Carolina	3.75	2.14
Florida	5.05	3.10	No. Dakota	4.50	2.60
Georgia	3.50	2.65	Ohio	2.15	.90
Idaho	7.90	4.00	Oklahoma	3.85	2.25
Illinois	1.85	.75	Oregon	9.75	5.10
Indiana	1.65	.70	Pennsylvania	3.75	1.40
Iowa	2.57	1.05	Rhode Island.	4.00	1.49
Kansas	3.80	2.04	So. Carolina	4.10	2.26
Kentucky	2.20	1.20	So. Dakota	4.35	2.95
Louisiana	4.20	2.20	Tennessee	3.30	1.75
Maine	4.50	1.65	Texas	5.70	2.54
Maryland	3.45	1.25	Utah	6.90	4.10
Massachusetts	4.00	1.49	Vermont	3.95	1.49
Michigan	3.95	1.09	Virginia	3.60	1.70
Minnesota	3.60	1.49	Washington	9.45	5.10
Mississippi	3.75	1.80	W. Virginia	2.95	1.10
Missouri	2.62	1.25	Wisconsin	2.65	.99
Montana	5.35	3.75	Wyoming	5.50	4.22

PARCEL POST ORDERS

Packages Under 8 ounces, allow 4c to any Zone

WEIGHT lbs.	ZONES 1 & 2 Up to 150 MILES From Chicago	ZONE 3 150 to 300 MILES From Chicago	ZONE 4 300 to 600 MILES From Chicago	ZONE 5 600 to 1000 MILES From Chicago	ZONE 6 1000 to 1400 MILES From Chicago	ZONE 7 1400 to 1800 MILES From Chicago	ZONE 8 OVER 1800 MILES From Chicago
1	7c	8c	8c	9c	10c	12c	13c
2	8c	10c	12c	15c	18c	22c	25c
3	9c	12c	16c	21c	26c	32c	37c
4	10c	14c	20c	27c	34c	42c	49c
5	11c	16c	24c	33c	42c	52c	61c
6	12c	18c	28c	39c	50c	62c	73c
7	13c	20c	32c	45c	58c	72c	85c
8	14c	22c	36c	51c	66c	82c	97c
9	15c	24c	40c	57c	74c	92c	$1.09
10	16c	26c	44c	63c	82c	$1.02	1.21
11	17c	28c	48c	69c	90c	1.12	1.33
12	18c	30c	52c	75c	98c	1.22	1.45
13	19c	32c	56c	81c	$1.06	1.32	1.57
14	20c	34c	60c	87c	1.14	1.42	1.69
15	21c	36c	64c	93c	1.22	1.52	1.81
16	22c	38c	68c	99c	1.30	1.62	1.93
17	23c	40c	72c	$1.05	1.38	1.72	2.05
18	24c	42c	76c	1.11	1.46	1.82	2.17
19	25c	44c	80c	1.17	1.54	1.92	2.29
20	26c	46c	84c	1.23	1.62	2.02	2.41

If the weight of package exceeds 20 lbs., add 1c for each additional pound or fraction of pound if you live in the 1st and 2nd zones, 2c extra if you live in the 3d zone, 4c extra if you live in the 4th zone, 6c extra if you live in the 5th zone, 8c extra if you live in the 6th zone, 10c extra if you live in the 7th zone, and 12c extra if you live in the 8th zone. NOTE:—Packages weighing over ½ lb. (8 ozs.) and not more than 1 lb. take 1 lb. rate. Packages weighing over 1 lb. and less than 2 lbs. take the 2 lb. rate. Always use the next higher pound rate for pounds and fractional pounds.

How to Figure Express Charges

(1) Total up weights of items ordered, as shown on Order Blank. (2) Refer to table below for approximate Express Rates per hundred pounds to your state. (3) Then refer to left hand column of table below and find weight which corresponds with weight of goods you are ordering. (4) Follow to the right, line opposite the weight of goods on your order, through the columns to the column headed by the rate per 100 lbs. to your state. The amount in this Column will be the express charges on your goods.

Table of Express Charges Based upon Rate per 100 pounds

If Rate per 100 Pounds is	$1.25	$1.45	$2.15	$2.65	$2.95	$3.45	$3.75	$4.00	$4.25	$4.50	$5.50	$6.90
Package not over												
1 Pound	$ .36	$ .36	$ .37	$ .37	$ .38	$ .38	$ .38	$ .39	$ .39	$ .39	$ .40	$ .42
2 Pounds	.37	.37	.39	.40	.40	.41	.42	.42	.43	.43	.45	.48
3 Pounds	.38	.38	.40	.42	.43	.43	.45	.46	.47	.47	.50	.55
4 Pounds	.38	.39	.42	.44	.45	.47	.49	.50	.51	.52	.56	.61
5 Pounds	.39	.40	.44	.46	.48	.50	.52	.53	.54	.56	.61	.68
10 Pounds	.43	.44	.53	.58	.61	.66	.69	.71	.74	.76	.86	1.00
15 Pounds	.48	.49	.62	.69	.74	.81	.86	.90	.93	.97	1.12	1.33
20 Pounds	.52	.54	.71	.81	.87	.97	1.03	1.08	1.13	1.18	1.38	1.66
25 Pounds	.56	.59	.80	.92	1.00	1.12	1.20	1.26	1.32	1.39	1.64	1.99
30 Pounds	.60	.63	.89	1.04	1.13	1.28	1.37	1.44	1.52	1.59	1.89	2.31
35 Pounds	.65	.68	.98	1.15	1.26	1.43	1.54	1.63	1.71	1.80	2.15	2.64
40 Pounds	.69	.73	1.07	1.27	1.39	1.59	1.71	1.81	1.91	2.01	2.41	2.97
45 Pounds	.73	.78	1.16	1.38	1.52	1.74	1.88	1.99	2.10	2.22	2.57	3.30
50 Pounds	.77	.82	1.25	1.50	1.65	1.90	2.05	2.17	2.30	2.42	2.92	3.62

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CHINESE RED GREEN IVORY WALNUT

FOR ALL THE LATEST RADIO SETS

THESE beautiful speaker tables are offered in a variety of colors to match the new receiving sets. Their beautiful lacquer finish—unusual design, and rigid construction adapt them for use in any setting. For Radiola, Atwater-Kent, Crosley, Freshman, and all other popular table model sets.

EXQUISITE FINISH

Only the finest durable lacquer, hand-rubbed to a soft dull sheen, is used in finishing these remarkable speaker tables. Available in Natural Walnut, Chinese Red, Chinese Green, or Ivory; they offer an ideal combination for the new receivers.

Farrand Speakers

Equipped with genuine Farrand Speakers, these tables offer the utmost in quality. The wonderful reputation of Farrand in the manufacture of quality speakers reaches a new peak in the design of the Magnetic and Dynamic Power Speaker Chassis with which these tables are equipped. Tables stand 30 in. high and require a floor space of 23½ in. by 17 inches.

YOUR PRICE **$10.45**

DYNAMIC MAGNETIC SPEAKER TABLES FOR ALL SETS *such as*

KNIGHT, ATWATER-KENT, CROSLEY

GORGEOUSLY COLORED

Offered in a variety of colors, they harmonize perfectly with the furnishings in any room.

TABLE ONLY, WITHOUT SPEAKER

For those who DESIRE TO SELECT their own speaker, these tables are here offered without speaker equipment. A speaker for them may be SELECTED from the wide variety shown in this catalog. Shipping weight, 45 lbs.

No. 9200. Walnut. No. 9247. Ivory.
No. 9271. Chinese Red.
No. 9278. Chinese Green.
Retail list, $25.00. YOUR PRICE..... **$10.45**

TABLE WITH FARRAND SPEAKER

Equipped with a genuine FARRAND MAGNETIC TYPE CONE SPEAKER, as illustrated on the right. The ideal combination for the finest receivers. Shipping weight, 50 lbs.

No. 9201. Walnut No. 9248. Ivory.
No. 9202. Chinese Red. Retail list, $50.00.
No. 9203. Chinese Green. YOUR PRICE..... **$17.50**

WITH FARRAND 6 VOLT DYNAMIC

Table equipped with GENUINE FARRAND 6-VOLT D-C TYPE DYNAMIC SPEAKER for the utmost in tone quality. Shipping weight, 60 lbs.

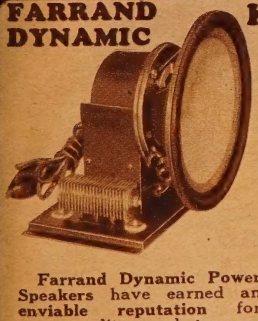
No. 9245. Walnut. No. 9279. Chinese Green
No. 9249. Ivory. Retail list, $70.00.
No. 9272. Chinese Red. YOUR PRICE..... **$28.45**

TABLE WITH FARRAND A-C DYNAMIC

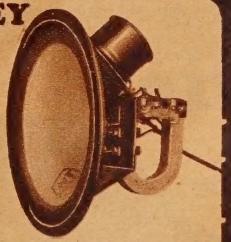
Equipped with GENUINE FARRAND 110-VOLT, 60-CYCLE A-C DYNAMIC SPEAKER, as illustrated at the left. Shipping weight, 68 lbs.

No. 9246. Walnut. No. 9280. Chinese Green.
No. 9250. Ivory. Retail list, $75.00.
No. 9273. Chinese Red YOUR PRICE..... **$30.45**

FARRAND DYNAMIC



Farrand Dynamic Power Speakers have earned an enviable reputation for tone quality, and tremendous volume carrying capacity covering the entire audible frequency range with remarkable fidelity. Dynamic Speakers, because of their tremendous volume, are proving extremely popular. Will not chatter or blast, regardless of volume. A complete description of these famous Dynamic Power Speakers will be found on Page 24.



FARRAND CONE MAGNETIC TYPE

This Magnetic Type Cone Speaker is of remarkable design and performance. Farrand engineers have achieved a new triumph in Cone Speaker construction in the design of this remarkable speaker chassis. Its tone and volume is the delight of all who hear it. See Page 24 for complete description.

Improve Your Set's Appearance

The SUPER DYNAMIC POWER CONE SPEAKER with Farrand Unit for POWER TONE VOLUME!

THE FINEST SPEAKER FOR ANY SET

THE tremendous popularity of the Dynamic Speaker is transcending every new development in radio. The modern demand for better tone quality and tremendous volume without distortion finds its answer in the new Dynamic Speakers. An entirely new scientific principle of tone reproduction in the Dynamic achieves extraordinary quality of reproduction. Its remarkable capacity covers the full range of musical and audible frequencies, recreating both the high and low notes with remarkable fidelity. They bring to listening ears a range of tonal beauty that covers the entire musical scale, providing perfect rendition of the crescendo, of the symphony and the fine shading of the overtones of the violin and bass viol.

TONE QUALITY

In the Dynamic Speaker construction the cone shaped diaphragm has a coil winding at the small end. The outer edge is supported by a ring of flexible leather. This mounting permits a perfectly free horizontal movement of the cone, resulting in remarkable fidelity in reproduction.

SENSITIVITY

When the impulses from the radio receiver are conducted through the moving coil of the cone, a reaction occurs between the coil and the magnetic field which causes the cone diaphragm to pulsate in unison with the impulses from the radio receiver, resulting in unusual sensitivity and volume carrying capacity.

REAL VOLUME

Primarily designed for purity of tone the Dynamic offers at the same time unusual volume capacity. It is the ideal speaker for power amplifiers, public address systems, etc., where tremendous volume is required. In the home it offers purity of tone with ample volume for all normal requirements.

DYNAMIC CHASSIS FOR CONSOLE

Here these Famous Farrand Dynamic Speakers are offered in chassis form for use in consoles and as a replacement unit for consoles equipped with speakers of obsolete type. An exceptional value.

6 Volt D-C Type

No. 8435. Chassis only for operation on 6-volt D-C Current. For use with storage battery, etc., on D-C Sets. Shipping weight, 15 lbs. YOUR PRICE .....

$19.70

110 Volt A-C Type

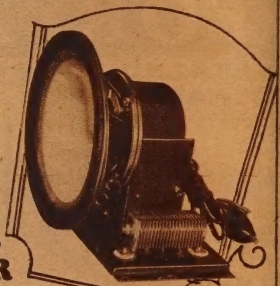
No. 8437. Complete chassis for operation on 110-volt A-C Current. Plugs into the electric light socket. Shipping weight, 18 lbs. YOUR PRICE .....

$21.70

110 Volts D-C Type

No. 8436. Complete chassis for use on 100-200-volt D-C supply. Takes power from 110-volt D-C line, power pack or plate supply. Shipping weight 15 lbs. YOUR PRICE

$17.95



CABINET SPEAKER AS ILLUSTRATED

Here the genuine Farrand Dynamic Power Cone Speaker chassis is offered housed in a beautiful genuine walnut cabinet of unusual design. Only the finest grained walnut is used in its construction. The attractive silk-backed grill is gracefully proportioned. Cabinet measures 13 in. high by 14¼ in. wide, by 9¼ in. deep. Highly recommended for use where unusual tone quality and volume is desired. Its low price should not be confused with its quality. It is acoustically correct.

6 Volt DC Type

No. 8443. For use with any standard battery set using 6-volt storage battery. Shipping wt., 20 lbs. Retail list, $70.00.

YOUR PRICE

$30.50

110 Volt AC Type

No. 8445. For all standard A-C and battery sets whenever 110-volt, 50-60 cycle A-C current is available. Shipping wt., 23 lbs. Retail list, $75.00.

YOUR PRICE

$32.50

110 Volt DC Type

No. 8444. For use on 100-200 volt D-C current with sets designed to supply field current or from 110-volt D-C Line. Shipping wt., 23 lbs. Retail list, $60.00.

YOUR PRICE

$28.75

TEMPLE SPEAKER

An Air Column Speaker of Exponential Design

ONLY **$12.78**

TEMPLE drum speakers have quickly **won an enviable reputation** for tone quality. Their popular acceptance has been due to **perfect design** and a thorough understanding of **fundamental acoustical laws.** Their correct construction provides a **maximum response** and a complete frequency range—all with a **brilliancy** that is **startling** in its realism.

Full 54 Inch Air Column

The especially designed air column of **54 inches is acoustically** correct. The unit is of the **ultra-sensitive** type **readily responding** to faintest electrical impulses. It covers the **full musical scale.** Recreates every tone from a **whisper** to a **full symphony orchestra** without blast or chatter.

Faithful Reproduction

Temple drum speakers bring forth **new low tones** which are the **delight** of all who hear them. They faithfully reproduce an orchestra without favor to the **highest pitched notes** and instruments resulting in a **perfect balance** over the entire musical scale which **distinguishes good music.** This perfect balance in reproduction has been the **goal of speaker engineers** for years and it finds **new expression** in these perfected Temple drum speakers.

An Outstanding Value

The tremendous popularity of the **Temple drum speaker** has resulted in improved manufacturing methods making possible **these exceptionally low prices.** The drum is housed in an **attractively crackled finish** metal drum with **convex silk grille** and highly finished wood base.

Stock No. 8534
Regular $35.00 Value
YOUR PRICE . . $12.78

Gothic DYNAMIC Speaker

A Marvelous New Speaker

THE outstanding value in dynamic reproducers. Combines the utmost in **outward beauty** with **marvelous performance**—an entirely new degree of **tone response** and **power reproduction** is achieved. It reproduces **perfectly** without overloading or chattering and **responds to the weakest signal impulses.** Its response is **equal** over the **full range** of musical and audible frequencies, recreating **naturally** as though the artists were **actually performing** before you.

Beautiful Walnut Cabinet

Beautifully designed table cabinet. **Richly finished in walnut.** The cabinet itself is a **fine piece** of furniture, carefully designed and perfectly constructed. The grille is graceful and is backed with heavy silk cloth. Size 13" high x 11½" wide x 8½" deep.

Wonderful Tone Quality

The equal response of the **dynamic reproducer** to all frequencies results in a degree of **natural reproduction** surpassing any previous acoustical development. **Each instrument may be clearly defined.**

Genuine Dynamic Construction

The dynamic principle of reproduction is **entirely different** from all other types of loud speakers. Basically, the dynamic speaker consists of a **cone shaped diaphragm** having the **coil winding** mounted directly at the small end. The outer edge of the cone is supported to a rigid rim by a ring of flexible material. The small coil attached to the cone is allowed to **move freely** in the field with a **powerful electro-magnet** which is excited from a storage battery or by rectified A. C. current.

110-VOLT D-C TYPE

For use with sets and power amplifiers designed to provide 110 volt D. C. field winding current.

No. 8450
Regular $55.00 Value
YOUR PRICE $23.75

6 VOLT D-C TYPE

Designed for use with D. C. receivers where current for exciting field coil is secured from 6 volt storage battery.

No. 8481
Regular $60.00 Value
YOUR PRICE $25.50

110 VOLT A-C TYPE

For use with A. C. or D. C. receivers wherever 110 volt 50-60 cycle house lighting current is available.

No. 0480
Regular Value $65.00
YOUR PRICE $27.50

Now! A SUPER SPEAKER

THE GOTHIC MODEL

THE tremendous strides made during the past season in the **development** of the magnetic type **cone speaker** has resulted in these two **remarkable speaker values.** The Gothic Model illustrated to the left is housed in a **beautifully designed** genuine **walnut** cabinet measuring 7½x11½x14". Unique cabinet design provides for the speaker the **ideal baffle** resulting in **remarkable tone reproduction** and unusual range from the **lowest to the highest notes** of the audible scale.

GENUINE WALNUT CABINET

The graceful proportions of the Gothic cabinet **adapts it for use** in practically any setting. The remarkable unit **with which it is equipped** brings to you that **soft mellow purity of tone** so much desired. The product of one of radio's foremost speaker manufacturers which stands for as one of the season's most **remarkable values** in a magnetic type power speaker.

No. 8451. Regular $35.00 Value

YOUR PRICE $10.95

MARVELOUS TONE!

These speakers are equipped with one of the season's **finest driving units.** They are **highly sensitive** and with their **over-sized** heavy magnet, they **instantly respond** to the **faintest impulse,** faithfully reproducing the voice and orchestra from a **whisper** to the **full blare** of a large orchestra. They will not rattle or **chatter** at the **higher** frequencies, and due to their special construction, they bring out the **full value of all the lower notes in the scale.**

PERFECTED DRIVING UNIT

The speaker chassis contained in these **beautiful walnut cabinets** represent the result of its **experimental work** and laboratory research to produce a magnetic type speaker coupled with **faithfully reproducing** the entire scale range. Their unusual **sensitivity enables** them to instantly respond to the faintest impulses, eliminating the **dampening** effect found in many other types of magnetic speakers.

EQUIPPED WITH OUTPUT FILTER

An improved type **output filter** is built in as an **integral part** of the **magnetic speaker chassis** with which these cabinets are equipped. This filter not only **improves** the **tone quality** and carrying power of the speaker, but **protects the speaker windings** from being burned out due to excessive voltage surges. They also protect the magnet from **demagnetization,** imparting to the speaker **unusual longevity** without deterioration from normal usage.

AN ASTOUNDING VALUE

The immediate popular acceptance of these speakers has resulted in a **tremendous sales volume,** enabling us to effect **economies in production** and assembly that make **possible these low prices.** They are comparable in every way to the **finest magnetic speakers** of the season and they offer you advanced engineering principles in speaker construction that you **expect to find** in only the highest priced magnetic speakers

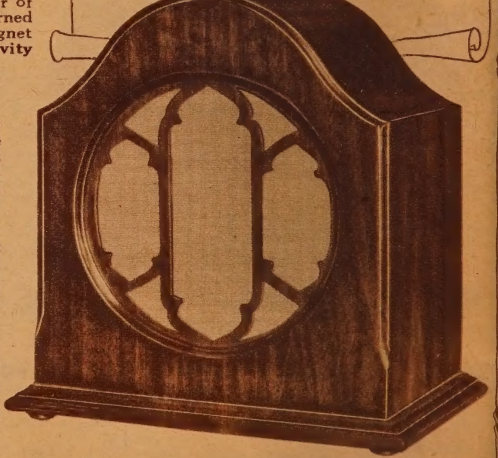
THE GRECIAN MODEL

The attractive **Grecian Model** speaker illustrated at the right measures 7½" deep by 11½" high by 12" wide. Its genuine **walnut cabinet** is **hand rubbed** to a soft satin sheen. The attractive design of its **silk backed grill** coupled with the graceful proportions of the cabinet itself makes it a **worthy addition** to the finest radio equipment.

No. 8452 Regular $50.00 Value Your Price $13.95

GRECIAN MODEL

THE Grecian Model is of the same **construction** as the Gothic Model listed above. It features a more **popular type** of walnut cabinet, measuring 7½x11½x12" **exquisitely finished** in soft walnut, retaining all the **beautiful grain** of this select wood. Its beautiful appearance coupled with its **remarkable efficiency** results in no small measure for its **unusual popularity.** It is recommended where **powerful volume, unusual tone quality** and **perfect reproduction** are desired.



MARVELOUS TONE QUALITY

Walnut Creations of
BUCKEYE...LUND...EXCELLO..

EXCELLO WALNUT CONSOLE

A BEAUTIFULLY designed, **rigidly constructed** console with five-ply walnut top and panels. The attractively **figured front doors** are of selected **matched** butt walnut. Beautifully finished in walnut, hand rubbed.

REAL WALNUT CONSTRUCTION

Only the finest **selected walnut panels** are used in its construction. Console stands 40 in. high, 27 in. wide, and 16 in. deep. An ample size set compartment is provided, accommodating panels up to 9½ in. x 21 in. and 12½ in. deep. Ample space is provided in the speaker compartment for all necessary accessories.

BEAUTIFUL BUTT MATCHED DOORS

You will appreciate the **splendid finish** of this console. It is American walnut, rubbed to **a soft dull gleam,** imparting to the wood an **exquisite** texture.

CONSOLE ONLY

For those who desire to install their own speaker and set, this console is offered as illustrated. Shipping weight, 120 lbs.
No. 9210. Retail, $50.00. YOUR PRICE **$29.40**

WITH FARRAND CONE SPEAKER

This beautiful console is here offered, fitted with a **genuine Farrand Magnetic Cone Speaker.** A full description of the speaker will be found on Page 88. Ship. wt., 125 lbs.
No. 9211. Retail, $65.00. YOUR PRICE **$36.40**

CONSOLE OF RARE BEAUTY

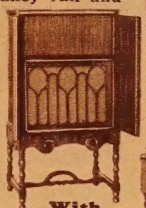
An attractive console with **genuine selected** butt walnut doors, bearing **a beautiful scroll design** in two-tone effect. Walnut ply wood top, sides and grill. Doors **swing back** to sides of cabinet. **Fancy rail and stretcher.** Compartment will accommodate batteries and speaker. 22 in. wide, 14½ in. deep, 17 in. high.

FOR YOUR FINEST SETS

This walnut ply wood model presents **extraordinary appeal. It is worthy of housing** the finest receivers. Stands 48 in. high, top measures 24 in. wide by 18 in. deep. Accommodates any size panel up to 21 in. wide, 10 in. high, 14½ in. deep. Set compartment **arranged in drawer style.**

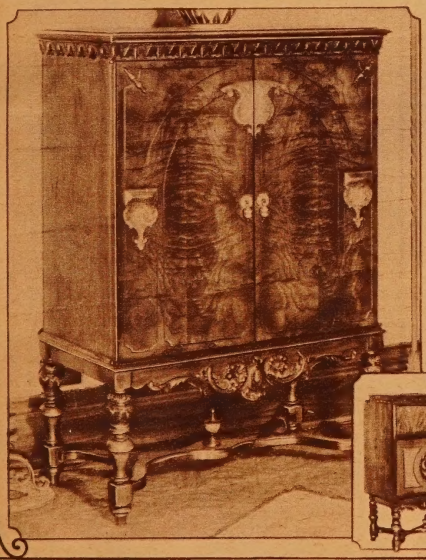
CONSOLE AS ILLUSTRATED

This beautiful walnut console is priced **under all competition** on cabinets of this grade. Beautiful finish, and **attractive design.** Shipping weight, 110 lbs.
No. 9220. Retail, $70.00. YOUR PRICE **$32.34**



With Farrand Magnetic Speaker

With Farrand Cone Speaker. Ship. wt., 115
No. 9221. Retail, $85.00. YOUR PRICE **$39.34**



BUCKEYE QUALITY CONSOLE

Constructed of genuine **black walnut** and American gum wood, with **matched butt walnut doors** and **inside** panels. The **overlays** on the doors are of genuine **birds-eye maple** producing an **attractive** two-tone effect. Antique brass trimmings. **High-lighted,** shaded and rubbed lacquer finish.

BIRDS-EYE MAPLE OVERLAYS

Console stands 44 in. high, top measures 29½ in. wide, by 16¼ in. deep. The ample size set compartment measures 9 in. high, 24½ in. wide, and 12⅛ in. deep. The speaker compartment with its **attractive grill** measures 26¼ in. wide, by 15¾ in. high, by 12½ in deep.

CONSOLE ONLY AS DESCRIBED

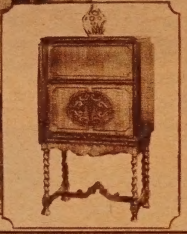
Attractively finished in **hand-rubbed** lacquer with beautiful matched **figured doors,** and maple overlays. S. wt., 120 lbs.
No. 9204. Retail, $85.00. YOUR PRICE **$49.50**

WITH FARRAND CONE SPEAKER

Equipped with genuine **Farrand Magnetic Cone Type Speaker,** noted for its remarkable tone and volume. See this speaker on Page 88. Shipping weight, 125 lbs.
No. 9205. Retail, $110.00. YOUR PRICE **$56.50**

A Knight Chassis and a Quality Console

Buckeye Walnut Consoles



A GORGEOUS CONSOLE

A CONSOLE of **unusual design** and **outstanding beauty.** The beautiful panelled doors—the attractive rope-style turned legs and the ornamental stretcher, all combine in stamping this **console** as an unusual value.

DIAMOND MATCHED WALNUT

The front doors are of genuine **matched walnut** with **over-lays** of striped mahogany creating a **beautiful two-tone** effect. It is finished with a **shaded** burl walnut that **perfectly harmonizes** with the furnishings in any room.

EXQUISITELY FINISHED

The fine **high-lighted,** shaded and **rubbed lacquer** finish, retains all the **natural beauty** of the grain of the wood. The console stands 45⅜ in. high, measures 24½ in. wide, by 16½ in. deep. The set compartment measures 20⅛ in. wide, 9 in. high and 12⅞ in. deep. The **ample size speaker compartment** behind the beautiful **silk backed** grill, measures 13 in. high, 22¼ in. wide and 12⅛ in. deep, providing **space** for the speaker, and the necessary accessories.

A FEATURE VALUE

The striking appearance of this **remarkable console,** coupled with the unusual size of its **set** and **speaker** compartments, adapts it for use with **practically all** of the new receivers. The set compartment is in drawer form.

CONSOLE ONLY

Console without speaker at a price **far below** its **actual value.** Shipping weight, 105 lbs.
No. 9241. List, $75.00. YOUR PRICE **$43.75**

CONSOLE WITH CONE SPEAKER

Equipped with the famous **Knight 6/7 A-C. Type Cone Speaker.**
Shipping weight, 110 lbs.
No. 9242. List price, $95.00.
YOUR PRICE..... **$50.75**

WITH KNIGHT 250 A-C CHASSIS

Equipped with the famous Knight 250 A-C
Shipping weight 150 lbs.
No. 9978.
List value, $200.00.
YOUR PRICE..... **$104.75**

REAL CONSOLE VALUE

YOUR better trade will be **quick to appreciate** the **unusual design** and beauty of this remarkable console. The doors are made of 5 ply veneer **swirled English oak** with genuine **carved** moldings on the apron going all the way around the **sides** of the cabinet, producing an exquisite result.

DISAPPEARING DOORS

Unusual design in this console permits of the doors **telescoping** back into the cabinet itself, **protecting** them from damage, and taking less space.

GENUINE CARVED MOLDINGS

The genuine **carved moldings** along with the **rope-style turned legs,** and attractive **carved** stretcher, result in an **exquisite design.** The console stands 49 in. high, 3 in. wide and 16½ in. deep. Set compartment measures 22⅛ in. wide, 13 in. deep and 9 in. high. Speaker compartment measures 24 in. wide, 8⅞ in. high, by 13⅛ in. deep.

SELECT YOUR OWN SPEAKER

The design of this console is **such that it will accommodate** practically any type of speaker. Selection can be made from the **large variety** shown.

CONSOLE ONLY AS ILLUSTRATED

Console not including speaker. Dynamic or Magnetic Cones on **Page 88.** are recommended.
Shipping weight, 105 lbs.
No. 9243. Retail, $85.00.
YOUR PRICE..... **$49.95**

WITH FARRAND SPEAKER

Fitted with genuine Farrand Magnetic Cone Speaker as described on page 88. Set not included. Shipping weight, 110 lbs.
No. 9880. Retail, $275.
YOUR PRICE..... **$56.95**

WITH KNIGHT 8/9 A-C CHASSIS

Fitted with the famous Knight 8/9 A-C Chassis described on Page 16, with a **genuine Farrand** Magnetic Cone Speaker. Shipping weight, 165 lbs.
No. 9879. List $250.
YOUR PRICE **$101.95**

Exquisite Designs by "Superior"

CONSOLE BEAUTIFUL

The cabinet is of **selected genuine Walnut** picked for the **beauty** of its grain. The doors are faced with **fancy matched Butt Walnut,** attractively **over-layed** with well figured **Scroll Maple** and heavy shaped mouldings. A convenient drop door is arranged at the lower front opening to a **spacious chamber.**

STRIKING WALNUT BURLS

The beauty of the **Walnut Burls,** and the attractive way that they are **Butt Matched,** imparts to this console **unusual richness** and **dignity** in appearance. Its graceful, yet conservative lines, adapt it for use in any setting.

MASSIVE STURDY CONSTRUCTION

Console stands 52 in. high, 32½ in. wide, and 18½ in. deep. The spacious **set compartment** is 28 in. long, 9¼ in. high, and 13¾ in. deep. The large size **speaker compartment** with its attractive molded **silk backed grill,** measures 29½ in. long, 10½ in. high, and 14½ in. deep.

CONSOLE ONLY

This substantial **beautifully finished** console represents an **unusual value** at the low price quoted. Speaker not included. Shipping weight, 110 lbs.
No. 9228. List, $95.00. YOUR PRICE.. **$55.86**

WITH FARRAND MAGNETIC CONE

Equipped with a **genuine Farrand Magnetic** Cone Speaker, this console comes to you ready for the installation of your set. Shpg. wt., 125 lbs.
No. 9229. List, $115.00.
YOUR PRICE. **$62.86**

WITH FARRAND DYNAMIC SPEAKER

Equipped with a **genuine Farrand** Dynamic Speaker, 110 volt, A-C Type. This console offers an **ideal combination** for the finest receivers. Shpg. wt., 140 lbs.
No. 9230. List price, $145.00.
YOUR PRICE **$75.86**

WITH KNIGHT 250 A-C ELECTRIC RECEIVER

With the **famous Knight 250 A-C Chassis,** as listed on page 76, and a **Farrand Speaker,** it is priced far below its actual value. Weight, 170 lbs.
No. 9979. List price, $250.00.
YOUR PRICE **$116.86**

Radio's Finest Console

THIS console is a **faithful** reproduction of an **Italian Design.** It will find a **ready response** on part of those whose homes are furnished in keeping with a period motif. The tops and ends are 5-ply veneer, faced with **beautifully figured** genuine Walnut. The doors are **V-Matched, Imported English Pollard Oak,** Overlayed with heavy **Walnut** Scroll Panels, and **ornamental** wood mouldings.

BEAUTIFUL FIGURED WALNUT

Only the finest—most **attractively grained Walnut** is used in the construction of this console. The beautiful grain, perfectly matched, presents a **striking** and **unusually attractive** appearance.

AUTHENTIC PERIOD DESIGN

The beauty of early **Italian Furniture** is brought back to life in this remarkable console. The modern demand for **period furniture** assures unusual **popularity** for this console. It features a **massive** carved stretcher, and with its beautifully designed **twisted** and **turned** legs, it assures unusual rigidity.

FOR THOSE WHO WANT THE BEST

Console stands 50¾ in. high, measures 27½ in. in width, 18½ in. deep. Will accommodate receivers up to 9 in. high, 21⅞ in. long, and 13½ in. deep. The large size **attractively designed** speaker compartment measures 11½ in. high, 24 in. long, and 13⅛ in. deep, providing **ample space** for both speaker and necessary accessories.

CONSOLE ONLY AS DESCRIBED

Highly recommended to those who cater to the **better type** of radio trade. Ship. wt., 136 lbs.
No. 9231. List price, $88.00.
YOUR PRICE **$51.75**

WITH FARRAND DYNAMIC SPEAKER

Equipped with the famous **Farrand 110-volt A-C Type Dynamic Speaker,** this console represents the utmost in speaker-equipped radio furniture. Shipping weight, 148 lbs.
No. 9232. List price, $150.00
YOUR PRICE **$71.75**

Beautiful Walnut Designs

AN OUTSTANDING CONSOLE VALUE

HERE you are offered a **genuine walnut console** of unusual design and finish. The natural **beauty of the walnut** has been **further enhanced** by applying a real piano **hand-rubbed** lacquer finish. Nothing has been omitted that would lend **character** and beauty to this console. Its design is the **work of artisans,** while its symmetrical lines and **soft satin sheen** finish fit it for use in the finest homes.

BEAUTIFUL TWO-TONE FINISH

The rich **two-tone finish** and the beautiful design of the **scrolled maple over-lays** on the doors, provides **exquisite** decoration. Console stands 41 in. high, top measures 22¼ by 15½ in. The **ample size** set compartment measures 20 in. long, by 9 in. high, by 11¼ in. deep. The speaker compartment with its **beautiful silk backed** grill provides ample space for all necessary accessories.

CONSOLE ONLY AS DESCRIBED

Genuine walnut construction of **unusual design** with **maple over-lays,** attractive hand-rubbed lacquer finish, coupled with **unusual design** makes this console a **remarkable value,** at the low price quoted. Shipping weight, 90 lbs.
No. 9212. List, $55.00. YOUR PRICE..... $22.50

CONSOLE WITH SPEAKER

With **Farrand** Magnetic Cone. Shipping weight, 95 lbs.
No. 9213. Retail, $70.00. YOUR PRICE..... $29.50

WITH KNIGHT A-C 6/7 CHASSIS AND FARRAND SPEAKER

Knight 6/7 A-C Chassis and **Farrand** Magnetic Cone Speaker. Shipping weight, 140 lbs.
No. 9822. List, $165.00. YOUR PRICE..... $62.45

WITH EIGHT-TUBE D-C CHASSIS AND SPEAKER

Fitted with **eight-tube** D-C chassis and **Farrand** Magnetic Cone Speaker. Shipping weight, 135 lbs.
No. 9823. List, $130.00. YOUR PRICE..... $61.50

The rare beauty of this walnut console de luxe will win the **instant admiration** of your trade. Feature it with your **own** sets.

Walnut Console DeLuxe

ONLY the finest selected veneers, **carefully picked** for the beauty of their grain, are used in this **gem** of the cabinet makers art. Its handsome appearance and **inherent beauty** makes it worthy of a place in the most finely appointed home. Its exclusive design and **rich appearance** instantly commends it to the lover of **fine** furniture. Manufactured under modern methods, it is **unusually rigid,** and with ordinary care can be **depended upon** for a lifetime of service.

ATTRACTIVE GRAINED WOOD

Genuine selected **walnut ply wood** is used in its construction. Each piece is selected for the beauty of its grain, producing in the finished cabinet an **attractiveness** that **wins instant** admiration. The console stands 41 in. high, top measures 25 in. wide, and 14¾ in. deep.

FOR THE LARGEST SETS

The set compartment measures 22½ in. wide, 9¼ in. high, and 13 in. deep. Provides **ample space** for the largest receivers. Attractively finished in **two-tone walnut,** with **beautifully designed** silk-backed grill.

CONSOLE ONLY AS ILLUSTRATED

This big, beautiful, genuine walnut console is offered at a price **far below its actual value.** Its **unusual** design, **attractive** finish and **substantial** construction, stamps it out as an unusual value. **Highly recommended.** Shipping weight, 90 lbs.
No. 9217... List, $45.00. YOUR PRICE..... $18.85

CONSOLE WITH FARRAND CONE SPEAKER

Equipped with a genuine **Farrand Magnetic Cone** Speaker, this console comes to you **ready** for the installation of your set. Description of speaker will be found on Page 88. Shipping weight, 95 lbs.
No. 9218. List value, $60.00. YOUR PRICE $25.85

WITH FARRAND DYNAMIC SPEAKER

Console equipped with **celebrated Farrand** 110 volt, A-C Type **Dynamic Power Cone** Speaker. **A real value.** Speaker fully described on **Page 88.**
No. 9219. Shipping weight, 110 lbs. List, $100.00. YOUR PRICE..... $38.85

Equip these with Knight Chassis

New Low Prices on Quality Consoles

A DE LUXE HI-BOY CONSOLE

A DE LUXE Hi-Boy Console in genuine walnut that immediately appeals to the lover of good furniture. Artistic in design, yet plain enough to be in excellent taste. Its rich two-tone finish, beautiful over-lays, and paneling; coupled with its attractively turned legs and cross brace, imparts a richness in appearance that is bound to please.

BEAUTIFULLY GRAINED SELECTED WOODS

In the finish of the De Luxe Hi-Boy, all the natural beauty of the grain of the wood is retained. Console stands 47½ in. high, 24 in. wide, by 15½ in. deep. Beautifully designed silk backed grill accommodates speaker, and ample room is provided for batteries, eliminators, etc. Set compartment measures 21 in. by 9 in. by 13¾ in. deep.

AMPLE SIZE

Every dealer should feature a Hi-Boy Console of this type. It combines utility with efficiency, requiring small floor space, yet providing ample room for receiver, speaker, accessories, etc., accessible from the back.

BEAUTIFUL FINISH

A genuine 5-ply walnut, finished in lacquer hand-rubbed to a soft, glossy appearance. Its unusual finish is such as is only found in quality furniture.

RIGID CONSTRUCTION

This console has a ruggedness and rigidity that will prove a revelation to the purchaser. Every requirement of the radio user has been considered in its design.

CONSOLE ONLY

Here you are offered the De Luxe Hi-Boy Console without speaker. It comes to you just as illustrated above, ready for installation of speaker and set. Shipping weight, 100 lbs.

No. 9206. List price, $45.00. YOUR PRICE..... **$19.65**

CONSOLE WITH SPEAKER

Here the De Luxe Hi-Boy is offered equipped with a genuine Farrand Magnetic Cone Speaker, noted for its wonderful mellow tone quality. A full description of this speaker will be found on page 88. Shipping weight, 125 lbs.

No. 9207. List price, $60. YOUR PRICE **$26.65**

WITH KNIGHT 8/9 CHASSIS SPEAKER

The De Luxe Hi-Boy completely fitted with the famous Knight 8/9 chassis as fully described on page 16, along with a genuine Farrand Magnetic Cone Speaker, as shown on page 88, is offered at the remarkable low price quoted. Tubes, aerial and ground equipment not included. A real value. Weight, 150 lbs.

No. 9821. List price, $160.00. YOUR PRICE **$71.65**

GENUINE WALNUT CONSOLE

TO the dealer who is looking for the finest in radio furniture, we heartily recommend this genuine walnut Hi-Boy Console. Built by a factory with a reputation of many years standing as producers of quality furniture. Its design is the work of artists. The small constructional details have been carefully worked out, assuring unusual ruggedness and rigidity.

FOR YOUR FINEST RECEIVERS

Only the finest combination walnut ply wood is used, and this coupled with modern manufacturing methods, has produced in this cabinet a rare piece of furniture. Console stands 47 in. high, requires floor space of 29 in. by 17 in. Set compartment measures 23¼ in. long, 8 in. high, by 13½ in. deep. Ample size for the largest receivers.

GRAINED WOOD WITH OVER-LAYS

The beautiful finish, coupled with the attractive grained woods used in its construction, imparts a wonderful appearance to this Hi-Boy. The attractively designed silk backed grill encloses a speaker compartment, having ample space for all necessary accessories. The four legs are of the carved spindle type, braced with attractively designed stretcher.

CONSOLE ONLY AS DESCRIBED

This beautiful console with its non-marring finish, will add a spot of beauty to the most finely furnished home. Its ample size adapts it for use with a wide variety of receivers. Speaker not included. Weight, 100 lbs.

No. 9222. List price, $65.00. YOUR PRICE **$27.75**

CONSOLE WITH FARRAND MAGNETIC CONE SPEAKER

Equipped with a genuine Farrand Magnetic Cone Speaker, this Console stands forth as an unusual value. The wonderful tone quality of the speaker is in strict keeping with the beauty of the cabinet. Weight, 105 lbs.

No. 9223. List value, $80.00. YOUR PRICE..... **$34.75**

CONSOLE WITH FARRAND DYNAMIC POWER SPEAKER

This genuine walnut console equipped with the celebrated Farrand 110 volt A-C type Dynamic Power Cone Speaker, is offered at an unusual low price. Description of this speaker on page 88. Highly recommended. Weight, 115 lbs.

No. 9224. List, $110.00. YOUR PRICE **$47.75**

Select Your Consoles for the Chassis You Want

CONSOLES FOR YOUR SETS

RARE CONSOLE VALUE

HERE you are offered a feature value in an attractively designed, beautifully finished console. Its design is the work of skilled artisans. Its graceful proportions and beautiful finish wins for it the instant admiration of all who see it. Constructed of carefully selected genuine Walnut Ply Wood, hand picked for the beauty of its grain. A beautiful scroll design overlay embellishes the drop-door. The neat circular design of the silk-backed grill is in exceptionally good taste. Beautifully turned, substantial legs, with ornamented apron, adorned with maple overlay.

GENUINE WALNUT

Never before have you been offered such a feature value in a genuine Walnut Console. It stands 37 in. high, measures 21¾ in. wide by 15½ in. deep. Set compartment will accommodate panels up to 8 in. high by 19 in. long, and not more than 11¾ in. deep. The ample size speaker compartment measures 19 in. wide, 14 in. deep, and 11 in. high, providing ample space for batteries, etc., when used with D-C Sets. You will marvel that such unusual console quality can be offered at so low a price.

WITH FARRAND SPEAKER

Equipped with a genuine Farrand Magnetic Type Speaker, this console offers the ideal combination for your receiver. The remarkable tone quality of the Farrand Magnetic Cone, coupled with its unusual volume carrying capacity, makes it the ideal speaker. It is responsive to the faintest impulses, and covers all audible frequencies. Shipping weight 80 lbs.

No. 9275. Retail list, $55.00.
YOUR PRICE . **$23.25**

CONSOLE ONLY

This genuine Walnut Console, beautifully finished in two-tone Walnut, and embellished with Maple Overlays, is offered at a price far below its actual value. It offers tremendous sales possibilities. Shipping weight, 65 lbs.

No. 9274. Retail list, $35.00.
YOUR PRICE **$16.25**

Gothic Ortho Console

THE unusual popularity of the exponential Air Type Tone Chamber has created a wide demand for this Ortho Type Console. Ample size is provided in its spacious speaker compartment to accommodate the new Air Column Horns. Its grill, in Gothic Design, is unusually attractive.

BEAUTIFULLY SHADED WALNUT

Constructed of genuine Walnut. All the natural beauty of the exquisite grain of this wood is retained in its hand-rubbed Walnut Finish. Its construction is the work of master cabinet makers, assuring unusual rigidity. Console stands 39 in. high, measures 23 in. wide, and 16 in. deep.

NEW MASSIVE DESIGN

The massive appearance of this well-designed console will meet with the instant admiration of your trade. Its large speaker compartment measures 23½ in. high, 14½ in. deep, and 20 in. wide. Provides ample space for practically any type of receiver, and for necessary accessories when used with D-C Receivers. Set compartment measures 20 in. wide, 13½ in. deep by 9 in. high, adapting it for use with a wide variety of the new radio sets.

CONSOLE ONLY

This genuine Walnut Console, with its attractively shaded Walnut Finish and beautiful large Gothic Grill, will prove a popular number with your trade. Highly recommended. Shipping weight, 90 lbs.

No. 9276. Retail list, $45.00.
YOUR PRICE **$19.50**

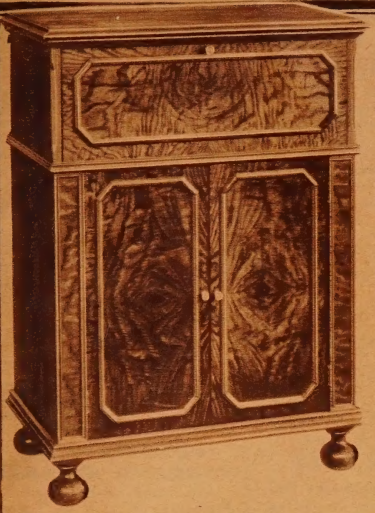
WITH ORTHO SPEAKER

Equipped with 84 in. exponential air column ortho speaker and genuine Fidelity unit. A marvelous reproducer. Shipping weight, 95 lbs.

No. 9277. Retail list, $75.00.
YOUR PRICE **$28.00**

Select Your Console for the Chassis You Want

Beautiful Walnut Designs



De Luxe Ortho-Type Console

DESIGNED for either **A-C** or **Battery Operated Receivers.** It offers a de luxe console of genuine **American walnut** with 5-ply walnut veneer top and panels. The doors are of 5-ply selected and matched **butt walnut veneer.** Attractively paneled.

GENUINE BUTT WALNUT VENEERS

The unusual beauty and care used in matching the **walnut butt veneers** on the doors of this console, coupled with its **hand-rubbed combination finish,** stamps it as one of the season's **finest Ortho-type consoles.** Its rigid construction and **perfect workmanship,** makes it good for a life time of service.

SELECT YOUR OWN SPEAKER

Speaker compartment measures 29 in. by 14½ in. deep, providing **ample space** for the largest speakers. Console stands 42 in. high, measures 32½ in. wide and 18½ in. deep. The receiver compartment measures 29 in. by 10 in. by 13½ in. deep.

CONSOLE AS ILLUSTRATED

Genuine walnut console as described above, without speaker. Shipping weight, 125 lbs.
No. 9235. List price, $90.00.
YOUR PRICE **$52.92**

No. 9244. With Temple Air Chrome Speaker. Wt., 135 lbs.
List, $115.00. NET **$67.62**

UTILITY CONSOLE DELUXE

CONSTRUCTED of **genuine walnut throughout, with matched butt walnut veneer doors.** A large drawer below the receiver compartment provides **space for stationery,** log books, etc., and a hinged lid provides a writing surface.

SECRETARY DESK COMBINATION

The writing bed feature of this console **assures utmost utility.** The receiver compartment is in the form of a **sliding drawer,** measuring 29 in. long, 9½ in. high and 13½ in. deep.

Ample Size For Largest Receivers

The speaker compartment provides **ample room** for horn or cone type speakers, as well as **accessories** for D-C receivers. Console stands 55 in. high, top measures 34 in. wide and 18 in. deep. Beautifully **designed** and **turned legs** with **ornamental carved** stretcher.

CONSOLE AS ILLUSTRATED

Complete console as described above, not including speaker. **A real value.** Shpg. wt., 135 lbs.
No. 9236. List price, $100.00.
YOUR PRICE **$58.80**

CONSOLE OF RARE BEAUTY

FOR those who favor the **Ortho** type of console, this beautiful cabinet is offered. It is of **genuine walnut ply wood,** beautifully **shaded,** and sturdily constructed, with a beautiful large **size silk backed grill,** providing ample space for either the long air-column horns, or the new Magnetic or Dynamic Speakers.

It stands 44¾ in. high, top measures 28 in. wide, and 17 in. deep. Set compartment measures 24¾ in. long, 12 in. high, and 12½ in. deep. Will accommodate **any size panel up to 8 by 21 in.** Behind the beautiful silk **backed Cathedral grill,** ample space is provided to accommodate the **largest speaker,** along with all necessary accessories. Speaker compartment measures 24¾ in. wide, 24¼ in. high, and 14 in. deep.

CONSOLE ONLY

For those who desire to select their own speaker, this console is offered as illustrated, without speaker equipment. A speaker for this console may be selected from this catalog. Shipping weight, 130 lbs.
No. 9239. List price, $85.00.
YOUR PRICE **$41.65**

WITH AIR COLUMN SPEAKER

Here this ortho type console is offered equipped with an 86-inch exponential type air column speaker and genuine Fidelity unit. All ready for the installation of your receiver. Shipping weight, 135 lbs.
No. 9240. List price, $105.00.
YOUR PRICE **$49.75**

Equip these with Knight Chassis

RADIO'S FINEST CONSOLES

A GORGEOUS RADIO CONSOLE OF GENUINE WALNUT

THE modern urge for better furniture in the home finds **real expression** in this **gorgeously designed** and **attractively finished** console. Butt matched walnut veneers imparts to its front doors an attractiveness seldom found in the finest radio furniture. It features a substantialness in construction and design that makes it good for **a life time** of service. Attractively **scrolled maple overlays** enhance the attractiveness of the doors which are so arranged that they swing back against the sides of the cabinets when open. Attractive **turned and fluted legs** with ornamental stretcher. The speaker compartment measuring 14" deep by 23" wide and 11" high provides an unusual effect baffled for use with either Dynamic or Magnetic type speakers.

The console stands 62" high, 28" wide by 18" deep. Set compartment measures 23" wide x 10" high x 14" deep, providing **ample space** for the **largest receivers.** Any of the **Knight chassis** as listed on **other pages** of this catalog are adaptable for use in this console.

Complete With Genuine Dynamic Speaker

Equipped with a genuine Dynamic Speaker of 110 volt 50-60 cycle A. C. type. This console offers unusual value in fine radio furniture. Its Dynamic speaker equipment adapts it for use with practically any type of receiver **Regular $113.70 value.**

Stock No. 9302— Your price..... **$55.85**

CONSOLE ONLY

Here this remarkable console is offered as illustrated. Price does not include set or speaker. Its unusual value will be quickly appreciated by those who have a set and speaker ready for installation. **Stock No. 9300 — regular $71.70 value. Your price.....**

$35.85

CONSOLE WITH FARRAND SPEAKER

Equipped with a genuine Farrand Magnetic Type Power Cone Speaker—this console represents an unusual value at the low price quoted. Its attractive finish and unusual design will win for it your instant approval. **Stock No. 9301— regular $85.70 value. Your price.....**

$42.85

PHONO RADIO COMBINATION CONSOLE DELUXE

AN extremely attractive design in a combination console. Constructed of **genuine walnut ply wood.** Attractively finished and hand-rubbed. The doors are **routed in a well balanced design** and **embellished** with a **carved medallion** and **antique bronze drop door-pulls.** The front apron is built in the form of a drawer and houses the **phonograph turntable, electric pick-up and tone-arm,** while the electric motor is securely mounted underneath. A Cathedral type silk backed grill sets off the large size speaker compartment, measuring 24½" wide, 14" deep and 14" high.

GENUINE WALNUT TWO-TONE

This beautiful combination console stands 53" high, measures 26½" wide and 16" deep. **Attractively finished in durable lacquer.** The turned legs and **ornamental cross stretcher** imparts unusual rigidity to its construction. Set compartment measures 24½" wide, 14" deep and 8¾" high. The spacious drawer below, which houses the **phonograph equipment** measures 23" wide, 4¾" high and 14" deep.

Electric Phonograph Equipment

Includes a high grade electric turntable and motor of the induction type. A specially designed tone-arm is supplied along with a high grade electrical pick-up.

CONSOLE ONLY

Console only, as described. No speaker, phonograph equipment or radio set included. **Stock No. 9288— regular $75.00 val. Your price.....**

$31.50

WITH PHONO EQUIPMENT

This beautiful walnut two-tone finished console with its complete phonograph equipment, as described above, is offered at a price far below its actual value. No radio set or speaker included. **Stock No. 9289, regular $160.00 val. Your price.....**

$74.75

Buckeye Walnut Consoles

BURL WALNUT CONSOLE

NOTED for its **distinguished appearance** and unusual design. Only carefully selected **genuine black walnut** and fine American gum wood are used in its construction. The front doors are in **matched butt walnut,** as well as the **inside** panels. Offering an **attractive appearance** whether the doors are open or not.

DISAPPEARING DOORS

The doors are **diamond matched** walnut of unique design, sliding back **out of the way** when opened. Finished in a beautiful **hand-rubbed** lacquer finish.

BUTT WALNUT MATCHED TRIM

This gorgeous console of **burl and striped walnut** stands 50 in. high, 27½ in. wide and 17 in. deep. The spacious **set compartment** measures 24 in. wide, 9 in. high and 13 in. deep. The speaker compartment measures 24 in. by 9¾ in. by 13 in. deep.

CONSOLE ONLY

This console with its beautiful diamond matched black walnut doors and panels **is offered** at a price **far below its actual value.** Recommended to those who **want the finest.** Shpg. wt., 105 lbs.
No. 9225. List, $75.00. YOUR PRICE **$45.35**

WITH FARRAND MAGNETIC CONE SPEAKER

Here this famous console is offered **equipped** with a genuine **Farrand** Magnetic Cone Speaker. Shipping weight, 110 lbs.
No. 9226. List value, $95.00.
YOUR PRICE **$52.35**

WITH FARRAND DYNAMIC SPEAKER

Equipped with genuine Farrand 110 volt, A-C Type **Dynamic Power Cone** Speaker, as described on Page 24. Shipping weight, 125 lbs.
No. 9227. List value, $125.00.
YOUR PRICE **$65.35**

WITH KNIGHT 250 A-C CHASSIS

Complete receiver including **Knight 250 A-C Chassis** as described on Page 76, along with genuine **Farrand Magnetic Cone Speaker.** Shipping weight, 165 lbs.
No. 9972. List value, $250. YOUR PRICE **$106.35**

This gorgeous console can be fitted with any of the famous **Knight A-C chassis, listed in this catalog.**

THE CONSOLE BEAUTIFUL

A CONSOLE that for **attractiveness and beauty,** is in strict keeping with the **modern trend** in furniture. Case of **genuine black walnut** and fine American gum wood. The doors and front panels present a striking appearance, being made up of **perfectly matched** butt walnut.

GENUINE BLACK WALNUT TRIM

Console stands 50 in. high, 27½ in. wide, and 17 in. deep. Behind the **beautiful silk backed grill** is a speaker compartment measuring 9¾ in. high, 23 in. wide and 13 in. deep.

FOR THE CUSTOM BUILT SET

The large size set compartment measuring 24 in. wide, 13 in. deep, and 9 in. high, is ample to **accommodate the largest receivers.** Built in the form of a drawer, sliding in and out on rollers, for ready access to the set. **Highest quality throughout.**

CONSOLE ONLY

Console of **combination black walnut,** beautifully finished. Price does not include speaker. Weight, 105 lbs.
No. 9214. List price, $80. YOUR PRICE **$43.35**

CONSOLE WITH MAGNETIC SPEAKER

Has **genuine Farrand Magnetic Type** Cone Speaker, ready for installation of your receiver. See Page 24; complete description. Weight, 110 lbs.
No. 9215. List value, $100.00. YOUR PRICE **$50.35**

CONSOLE WITH DYNAMIC SPEAKER

Console with Farrand 110 volt, A-C Type **Dynamic Power Speaker.** Weight, 130 lbs.
No. 9216. List value, $130.00.
YOUR PRICE **$63.35**

WITH KNIGHT 250 CHASSIS AND SPEAKER

Complete Knight 250 Chassis as listed on Page 76, and Farrand Magnetic Cone. Shpg. weight, 165 lbs.
No. 9973. Retail, $220.00.
YOUR PRICE **$104.35**

New Low Prices on Quality Consoles

PHONO-RADIO COMBINATION CONSOLE OF GENUINE WALNUT

HERE you are offered a combination radio-phonograph console of practical design. The lifting top is of the counterbalanced type which will remain open at any position. The entire cabinet is constructed of carefully selected burl walnut panels, which are butt matched. The receiver compartment is in the form of a sliding drawer measuring 24x9x14 inches deep. The speaker compartment measures 13 inches high, 15 inches wide, and 16 inches deep, providing sufficient space for dynamic or magnetic type speakers. Space is provided at each side of the speaker compartment for record albums. The phono-equipment consists of an induction type electric motor, turn table, electric pick-up with tone arm, volume control, adapter, automatic stop and "off and on" switch. Console measures 50 inches high, 28 inches wide, and 19 inches deep.

CONSOLE ONLY

Offered as console only, without set, speaker or phonograph equipment. A plain motorboard is provided. A real value at low price quoted.
No. 9311. Retail value $100.00.
YOUR PRICE..... **$58.80**

WITH PHONO EQUIPMENT

Here the console is offered without set or speaker, but with all phonograph equipment, including motor, turn table, pickup, tone arm, adapter, etc.
No. 9312. Retail value $180.00.
YOUR PRICE..... **$105.84**

WALNUT SLIDING-DOOR CONSOLE

A sliding door console that is proving unusually popular. Its design is the work of skilled artists, reflecting an advance trend in radio furniture manufacture. Its rigid construction coupled with its practical design assures for it many years of useful service. The Console stands 44 in. high, 27 in. wide, and 18 in. deep.

BEAUTIFULLY GRAINED WALNUT PANELS

Unusual care is exercised in the selection of the panels. Only the finest grained genuine American walnut is used. The legs are attractively turned and rigidly braced with a shaped cross stretcher. The severe, yet dignified appearance of the console adapts it for use in any setting. The set compartment measures 13x22x11 inches high. The speaker compartment measures 13x22x11 inches high. The doors when open provide a clearance of 11 inches.

CONSOLE ONLY AS SHOWN

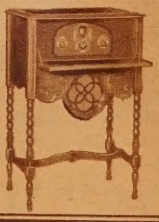
Console only as illustrated. Adaptable for use with a majority of the season's popular receivers. An exceptional value at the low price quoted.
No. 9313. Retail value $62.50.
YOUR PRICE..... **$29.85**

WITH GENUINE FARRAND SPEAKER

Here the console is offered with a genuine Farrand Magnetic type speaker installed—ready for the installation of your receiver. An exceptional value.
No. 9314. Retail value $75.00.
YOUR PRICE..... **$36.85**

NEW DROP-DOOR MODEL WALNUT CONSOLE

A popular type of console that proves ideal for use with the new A-C receivers. The large size set compartment measuring 22¾ inches long, 10¾ inches deep, and 9 inches high, will readily accommodate such popular receivers as Atwater-Kent, Crosley, etc. The console stands 38 inches high, 24¾ inches long, and 14¾ inches wide. The speaker grille is made up as part of the apron of the console, and ample space is provided to accommodate either the magnetic or dynamic types of speakers. Genuine American walnut panels are used in construction, along with sturdy turned legs and ornamental cross stretcher. A convenient drop door closes off the receiver when not in use, and acts as an arm rest when tuning. The low price of this console makes it particularly adaptable for use as a sales leader, where a high grade, yet low priced cabinet is desired.



CONSOLE ONLY AS ILLUSTRATED

Console only. No speaker or set included. An exceptional value at the low price quoted. Highly recommended.
No. 9315. Retail value $42.50. YOUR PRICE **$19.75**

CONSOLE WITH FARRAND SPEAKER

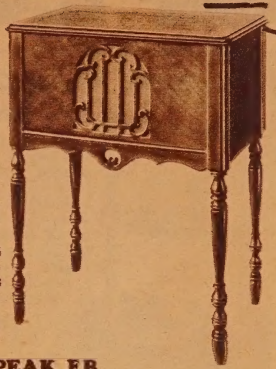
Here this beautiful console is offered complete with a genuine Farrand Magnetic type speaker as described on page 88. No set is included. A real value.
No. 9316. Retail list $55.00. YOUR PRICE **$26.75**

Select Your Consoles for the Chassis You Want

NEWCOMBE HAWLEY SPEAKERS

EQUIPPED WITH DYNAMIC SPEAKERS

A BEAUTIFUL Walnut Reproducing Table equipped with genuine Newcombe-Hawley Dynamic Power Cone Speaker, designed for such sets as the Crosley Jewel Box, Crosley Band Box, Atwater-Kent 37 and 38, Steinite 990, Stewart-Warner 801, Bremer Tully 6-40, and all other popular receivers of similar size. The exceptional tone quality and faithful recreation of tone shadings, which distinguish good music and clear voice articulation, is due to the wonderful Newcombe-Hawley Dynamic Power Cone Unit. Splendid results obtained with Knight Receivers.



GENUINE BEAUTIFULLY GRAINED WALNUT

The attractive design of these tables with their well-balanced, gracefully proportioned silk-backed grills, makes them the ideal housing for these famous Dynamic Speakers. They are of beautiful grained Walnut, attractively finished to harmonize with all interior decorations. Table stands 30 in. high, 23¾ in. wide, and 15⅝ in. deep. The three types provide a reproducer for every need.

No. 9290. Equipped with 6-volt D-C Type Dynamic Power Cone. Shpg. wt., 65 lbs. List, $70.00.
YOUR PRICE **$41.16**

No. 9291. Equipped with Dynamic Cone Unit for 100-200 volts D-C. Shpg. wt., 65 lbs. List, $75.00.
YOUR PRICE **$44.10**

No. 9292. For 110-115 volts, 60 cycle A-C Operation. Shpg. wt., 68 lbs. List, $88.00.
YOUR PRICE **$51.74**

CONSOLES WITH DYNAMIC SPEAKER

BEAUTIFULLY designed walnut Console Reproducers, equipped with genuine Newcombe-Hawley Dynamic Power Cone Speakers. The smaller size will accommodate such receivers as Atwater-Kent 37, Crosley Band Box, etc.; the larger size for RCA Models C17 or 18. Attractively designed and beautifully finished.

CONSOLE 44x23¾x15⅝ IN.—SHIPPING WT. 90 LBS.

No. 9293. For sets up to 22½ in. by 8¾ in. by 15⅝ in. deep. 6-volt D-C Type Speaker. List, $80.00.
YOUR PRICE.. **$47.04**

No. 9294. For sets up to 22½ in. by 8¾ in. by 15⅝ in. deep. 110-volts A-C Type Dynamic. List, $98.00.
YOUR PRICE.. **$57.62**

CONSOLE 40x32x15¾ IN.— SHIPPING WT. 100 LBS.

No. 9295. For sets 27½ in. by 8½ in. by 17½ in. deep. 6-volt D-C Type Dynamic. List, $92.00.
YOUR PRICE. **$54.10**

No. 9296. For sets 27½ in. by 8½ in. by 17½ in. deep. Equipped with 110-volts A-C Type Dynamic Cone. List, $64.68.
YOUR PRICE.. **$64.68**

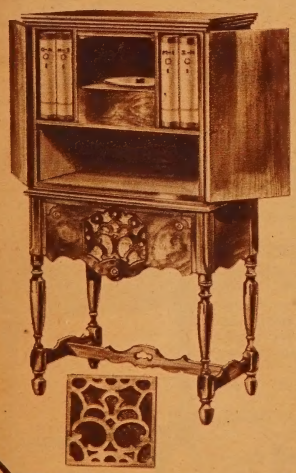
COMBINATION RADIO-PHONOGRAPH CONSOLE WITH DYNAMIC SPEAKER

THE Newcombe-Hawley Combination Radio-Phonograph Console enables the owner of any good A-C Radio Receiver to have a high grade electric phonograph at small additional cost and at the same time provide a beautiful cabinet to house the radio receiver, phonograph turntable, pick-up and reproducer. A phonograph turntable with noiseless electric motor of the induction type is included in the console. Equipment includes efficient electrical phonograph pick-up, completely wired, ready for use. The console stands 50 in. high, 32½ in. wide and 19 in. deep. Set compartment measures 29½ in. wide, 10½ in. high, and 16 in. deep. The cabinet work is in fine burl walnut beautifully finished. Equipped with the famous Newcombe-Hawley Dynamic Power Cone Speaker, noted for their remarkable tone quality and tremendous volume carrying capacity. Shipping weight, 160 lbs.

No. 9297. Complete console with equipment as described above, fitted with 100-200-volts D-C Type Power Cone Reproducer. Highly recommended. Retail, $237.50.
YOUR PRICE **$139.65**

No. 9298. Console is all equipped, as described above; along with a 100-115-volts, 60 cycle A-C Newcombe-Hawley Dynamic Reproducer. Retail, $237.50.
YOUR PRICE..... **$139.65**

COMBINATION PHONO-RADIO CONSOLE



THE tremendous popularity of the combination radio and phonograph has created an unusual market for consoles of this type. The console illustrated here combines beauty in design with a practical interior arrangement that provides utmost utility. The set compartment measures 24½x13¾x10 inches. The speaker grill is made up as part of the apron of the cabinet and will accommodate either dynamic or magnetic types of speakers.

GENUINE WALNUT, BEAUTIFUL OVERLAYS

The console proper is constructed of genuine American walnut with matched butt two-tone doors that are beautifully embellished with attractive overlays. The doors fold clear back against the sides of the cabinet when open. The phonograph equipment in the console includes an electric motor of the induction type complete with turn table. A high grade electric pick-up is also supplied along with the necessary switches, speed controls, etc.

WITH PHONOGRAPH EQUIPMENT

Furnished complete with all necessary phonograph equipment this console comes to you ready for the installation of your set and speaker. Console stands 54 inches high. Provision is made in the console for four record albums as illustrated. A removable grill closes off the phonograph compartment when not in use.

No. 9974. Retail list $137.50.
YOUR PRICE..... **$69.00**

SPECIALS that Sell

A NEW MAGAZINE BASKET and SMOKER STAND

A practical piece of furniture for use in any home. Its excellent design and beautiful finish stamps it as a real profit maker. It stands 30¼ in. high, by 12¼ in. wide, by 7¾ in. deep. Two spacious compartments are provided for holding magazines, etc., while above, an attractively finished shelf accommodates the smoker's accessories.

REAL UTILITY

Substantially constructed of three ply veneer with double lacquer finish, and beautifully colored floral panel on each side. It offers an odd piece of furniture that can be used effectively in any home.

No. 9251. Shaded light walnut finish.
No. 9252. Red lacquer finish.
No. 9253. Green lacquer finish.

Shipping weight, 14 lbs.
Retail, $12.00. YOUR PRICE..... **$5.25**

DECORATED MAGAZINE RACK

Extremely popular because of its natural beauty and attractive price. Made of selected kiln-dried three-ply veneer panels. Attractively finished with two coats of high quality lacquer that will not mar or chip. A wonderful piece for the living room, den, or any odd corner.

FLORAL DESIGN

On each side panel, a beautiful floral design comprising a spray of flowers in natural colors, greatly adds to the rich appearance. A final coat of clear lacquer imparts a fine luster and assures permanence of colors. Stands 27 in. high, 13½ in. wide, 7½ in. deep. Shipping weight, 9 lbs.

No. 9259. Red crackle.
No. 9260. Green crackle finish.

Retail $7.50 YOUR PRICE **$4.25**

FLOOR MAGAZINE BASKET

A beautifully finished magazine rack that your trade will be quick to appreciate. Substantially constructed, and attractively finished. Stands 17¼ in. high, 12 in. wide and 8½ in. deep. A beautifully colored floral design enhances the appearance of each side. Two spacious magazine compartments are provided. Its attractive crackle finish, blends harmoniously with the furnishing of any room.

No. 9257. Red crackle
No. 9258. Green crackle

Retail $5.00. Shipping wt. 8½ lbs.

YOUR PRICE **$2.25**

QUALITY END TABLE

An attractive piece of furniture that has proven tremendously popular with the radio trade. Just the thing for the den or any vacant corner in the house. Its walnut finish with the beautiful floral design on the top panel, is the delight of all who see it. Top measures 12x24 in. and stands 25 in. high. Substantially constructed with attractively turned legs and cross brace.

REAL FURNITURE

A beautiful piece of furniture. Durable shaded light walnut. Shipping weight, 15 lbs.

No. 9264. Retail $8.00.
YOUR PRICE **$3.45**

HIGHBOY MAGAZINE RACK

A popular piece of furniture that will find favor with your trade. Gracefully designed, beautifully finished and sturdily built. Attractively turned legs and stretcher impart unusual rigidity to its construction. Beautiful floral design in natural colors further enhances its attractive appearance. Wide spacious magazine compartments. Three ply veneer construction.

A PROFIT MAKER

The live radio dealer will be quick to realize the profit-making possibilities in these novelty pieces of furniture, finished to match the new radio receivers. Stands 30¼ in. high, 11¾ in. wide, and 9½ in. deep. Shpg. wt., 14 lbs.

No. 9254. Light walnut.
No. 9255. Red crackle.
No. 9256. Green crackle.

Retail $9.00. YOUR PRICE **$4.50**

PRISCILLA SEWING CABINET

A piece any woman will be proud to own. It offers a grace and daintiness that will add charm to any room. Its sturdy construction and design assures lifelong service. Includes inside tray for sewing material.

HIGHEST QUALITY

Made of kiln-dried selected three-ply veneer panels, decorated with a handsome floral medallion in natural colors on both sides. Stands 28 in. high, 14 in. wide, and 10 in. deep. Shipping weight, 14 lbs.

No. 9261. Shaded light walnut finish.
No. 9262. Red lacquer finish.
No. 9263. Green lacquer.

Retail $10.00 YOUR PRICE **$4.75**

Portable Phonographs *that sell*

A NEW PROFIT MAKER FOR THE RADIO DEALER

AN outstanding line of Portable Phonographs for which **every one** of your customers is a **prospect.** Their unique design and perfect **construction** makes them **comparable in tone quality** to the highest priced talking machines. Their low price assures **rapid turn-over** and **substantial** profit. All models are in **beautiful carrying cases,** with easy grip handles and sturdy locks. Their low prices assure volume sales.

PAL JUNIOR PORTABLE

A popular priced Portable Phonograph that has proven **unusually attractive** to the trade. Equipped with a genuine **Thorens precision motor** that will play **two ten-inch** records with one winding. The tone-arm and metal fittings are highly nickel plated, while the case is covered in **genuine Du Pont Fabrikoid,** in black, blue, brown, red and green. Cabinet measures 7x11½x14¾ in. Diaphragm is of special construction.

No. 8301. Black with gold.
No. 8302. Blue with gold.
No. 8303. Black.
No. 8304. Brown.
No. 8305. Red.
No. 8306. Green.
Retail, $15.00.
YOUR PRICE..... **$8.82**

THE PAL De Luxe Model

A feature model of the **famous Pal Line** of Portables covered with genuine **Du Pont Fabrikoid,** with beautiful **embossed** borders in antique gold. Case of three Ply Kiln Dried Wood, **securely glued** and lock cornered. Equipped with **genuine Thorens double spring motor** that will play **nearly three** ten-inch records at one winding. Large record space.

Four Foot Sound Chamber

Provided with the **four-foot Air-Column Tone Chamber,** producing wonderful **rich tone quality,** and **unusual** volume. Cabinet is 15½ in. long, 12 in. wide, and 7¾ in. high. Shipping weight, 17 lbs.
No. 8312. Red. No. 8313. Black.
No. 8314. Blue. No. 8315. Brown.
Retail, $25.00 YOUR PRICE..... **$14.60**

PAL "KIDDI-PACT"

A SALES LEADER

A small sized portable **designed especially** for the children. Equipped with a **full spring motor,** loud volume reproducer, and is a genuine duplicate of the larger Pal models in every way. Will play **four** seven-inch small records with one winding. **Also plays ten-inch records.**

Plays 10 in. Records

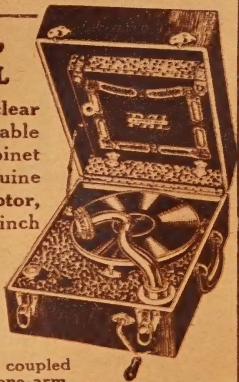
Extra strong and sturdy to **withstand** hard usage. Not a toy, but a **real Portable Phonograph.** Case measures 11¼ in. wide, 12 in. long, and 3½ in. deep. Provides space for six records. Shipping weight, 11 lbs.
No. 8307.
Retail, $10.00.
YOUR PRICE..... **$5.83**

PAL STANDARD MODEL

Housed in a big beautiful **sturdy cabinet case, with easy grip handle,** and double locking snap locks. Equipped with the famous **Thorens double spring motor,** it will play three ten-inch records with one winding. Covered with **genuine Du Pont Fabrikoid.**

THORENS MOTOR

Equipped with "S" Type throwback tone-arms. **Wonderful tone and volume.** All metal parts highly nickel plated. Case measures 15½ in. long, 12 in. wide, and 7¾ in. high. Shipping weight, 17 lbs.
No. 8308. Red.
No. 8309. Blue.
No. 8310. Black.
No. 8311. Brown.
Retail, $25.00.
YOUR PRICE..... **$14.70**



PAL SUPERIOR MODEL

A portable phonograph **clear in tone and volume,** comparable to the most expensive cabinet types. Equipped with genuine **double spring Thorens Motor,** that will play three ten-inch records at one winding. Attractively covered with heavy **Shark Grain Du Pont Fabrikoid, embossed** in gold.

Marvelous Tone Quality

Specially designed **reproducer,** coupled with the **improved throwback tone-arm,** and special **tone chamber;** produces **marvelous tone quality** with unusual volume. Case measures 12⅝ in. wide, 16¼ in. deep, by 7⅝ in. high. Shipping wt., 18 lbs.
No. 8316 Black.
No. 8317. Blue.
No. 8318. Brown.
No. 8319. Red.
Retail, $30.00. YOUR PRICE..... **$17.54**

KNIGHT "55" PORTABLE

SCREEN GRID EFFICIENCY

TO meet the demand for those who want a real radio for outings, camp, and travel the Knight "55" Portable was designed. It can be taken anywhere as easily as your luggage. It brings to you your choice of broadcast programs wherever you go. You'll marvel that such volume and fidelity of tone can be produced from such limited space. Different from any portable you have ever known. The Knight "55" employs a Screen Grid Tube—a tube many times more powerful than the ordinary tube.

Wonderful Distance Range

The tremendous amplifying power of the Screen Grid Tube along with the unusual efficiency of the Knight "55" Portable Circuit provides unusual sensitiveness and distance range. Its remarkable performance is establishing a new standard of perfection in Portable construction. You will marvel that such unusual sensitiveness can be developed in a circuit of such compact construction—as you are offered in the Knight "55" Portable. It employs a total of five tubes—yet provides an efficiency comparable to larger sets using six or seven tubes.

Remarkable Tone and Volume

You will be agreeably surprised at the remarkable volume of the Knight "55" Portable. It is equipped with an extra long Air Column Type Tone Chamber, fitted with a well known high grade speaker unit—assuring strong, clear, full, rich tonal qualities with ample volume. The two window dials set into a beautiful golden brown panel providing unusual attractiveness in appearance. The circuit employs a total of five tubes. The aerial is constructed in the cover, hidden by an attractively finished walnut frame. No need to detach it for operation.

Light Weight—Real Portability

The dome top case with rounded corners is individual in design. Rugged in construction, it is built to withstand hard usage. Covered with durable shark grain leather-like material, it matches the finest luggage and harmonizes with any furniture. Completely equipped it weighs only 26 pounds. It is exceptionally well balanced and with its full grip handle it is as easy to carry as an overnight bag. The Knight "55" Portable provides a charming companion for camping, motoring—boating and travel—as easy to take along as your luggage. Its operation requires the following accessories: One shield-grid tube; 4 type X199 tubes; 2 45-volt (Burgess 5308 or equivalent) "B" Batteries; 3 dry cell "A" Batteries and 1 "C" Battery.

Set Without Accessories

Here you are offered the remarkable Knight "55" Portable without accessories. It offers you the utmost in a compact, highly efficient portable receiver, that is entirely self-contained. Its attractive appearance—its perfected five-tube circuit—its remarkable tone and volume stamps it out as an unusual value at the exceptionally low price quoted. Shipping weight, 35 lbs.

No. 9355. Retail list, $70.00.
YOUR PRICE..... $34.50

Complete—Ready to Operate

Completely equipped—ready to operate. The Knight "55" Portable is bound to please the most critical. Equipment includes one screen-grid tube, type 222, four type X199 tubes, two 45-volt "B" Batteries one "C" Battery, and three Dry Cell "A" Batteries. Everything necessary for its operation is included. Just set it up and start tuning. Shipping weight, 45 lbs.

No. 9356. Retail list, $93.00.
YOUR PRICE..... $46.15

RADIO-PHONOGRAPH CONSOLE

GENUINE WALNUT IN UNUSUAL DESIGN

FOR YOUR RADIO-PHONOGRAPH COMBINATION

AN unusual console designed especially for the new electric Radio-Phonograph Combinations. Its set compartment measuring 14 in. deep, by 9¼ in. high, by 28 in. long will accommodate receivers as large as the Radiola 18. A double grill arrangement at the top closes off both the speaker and phonograph equipment. The phonograph motor, turntable, pick-up and tone-arm are mounted on a sliding drawer making them readily accessible for operation. Speaker compartment measures 15 in. deep, 10½ in. high, by 11½ in. wide. Console stands 52 in. high, 32½ in. wide by 18¾ in. deep. The attractive apron at the lower front is in the form of a drop door opening to a spacious record storing compartment.

Electrically Equipped

When so ordered this beautiful console comes equipped with an electric motor of the noiseless induction type, complete with turntable, high grade electrical pick-up with tone arm and volume control. Adapters for both four and five prong tubes are included. For 110-volt, 50-60-cycle A-C current.

Genuine Walnut Burls

The console is of select genuine walnut, picked for the beauty of its grain. The doors are faced with fancy matched butt walnut attractively overlaid with maple. Heavy shaped legs with ornamental stretcher. Beautiful hand-rubbed piano finish. The beauty of the walnut burls and the attractive way they are butt matched, imparts to this console unusual richness and dignity. Its graceful, yet conservative lines adapt it for use in any setting

Console Only

This remarkable combination console is here offered as console only without phonograph equipment. The custom set builder and dealer catering to the better trade will find a ready market for this console. Shpg. wt., 110 lbs.

No. 9208. Retail list, $135.00. YOUR PRICE.. $65.86

Console Equipped

Equipped with all phonograph fittings it comes to you complete with electric motor and turntable, a high grade tone-arm and electrical pick-up with volume control. No set included. Genuine Farrand Magnetic Type Cone Speaker built-in. A real value. Shipping weight, 135 lbs.

No. 9209. Retail list, $250.00. YOUR PRICE..... $129.50

The Deauville 8 Knight Battery Operated

SET ONLY

Here the Deauville 8 Receiver for battery operation is offered without accessories. Its unusual efficiency, remarkable distance range and wonderful tone quality assures for it unusual popularity. Shpg. wt., 35 lbs.

No. 9900. Bronze.
No. 9903. Chinese red.
No. 9906. Chinese green.

Retail list, $75.00. YOUR PRICE

$35.50

WITH ALL ACCESSORIES

Equipment includes one six-volt storage "A" battery, 3 45-volt "B" batteries, 2 "C" batteries along with five type X201A tubes, 1 type X200A and 2 type 112A power tubes along with all necessary aerial and ground equipment. Speaker not included. Shipping weight, 120 lbs.

No. 9901. Bronze.
No. 9904. Red.
No. 9907. Green.
Retail list, $120.00.
YOUR PRICE.....

$55.95

8 TUBES FOR POWER—TONE

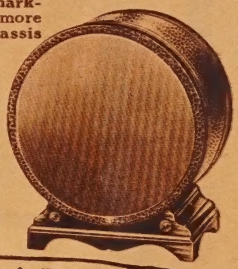
THE remarkable efficiency of the Deauville 8 is establishing a new standard for radio. Its performance is astounding. Two stages of tuned radio frequency amplification, one tuned radio frequency detector stage and one untuned radio frequency stage all perfectly peaked and balanced, provides a sensitiveness **that brings in the most distant stations just as though they were locals.** The beautiful metal cabinet is furnished in a variety of colors.

BEAUTIFUL METAL CABINETS

Housed in big handsome cabinets of all metal construction, they are **available in a beautiful brown bronze finish that blends well with walnut furniture, or in an attractive Chinese red or green lacquer finish.** The cabinet measures 19 in. long by 14½ in. wide by 9¼ in. high.

SHIELDED—SENSITIVE—SELECTIVE

The Deauville 8 Circuit employing three stages of radio frequency, detector, two stages transformer coupled audio and one stage of push-pull audio takes from each tube its full power, **resulting in extreme sensitiveness and razor like selectivity, remarkable tone quality and unusual volume.** A more complete description of this remarkable chassis will be found below.



COMPLETE WITH TEMPLE DRUM SPEAKER

Offered with all accessories and Temple Drum Speaker. Includes five type X201A tubes, one 200A, two type X112A tubes and all batteries and aerial kit. Wt., 135 lbs.

No. 9902. Chinese Red.
No. 9905. Chinese Green.
No. 9908. Bronze.
Retail list, $149.00.
YOUR PRICE.....

$69.28

BEAUTIFUL COLORED METAL CABINETS
CHINESE RED · GREEN · IVORY · BRONZE

A MARVEL OF EFFICIENCY

THE Knight 8 D-C Chassis stands out today as one of the foremost radio developments of the season—the crowning achievement of some of radio's most prominent engineers. It has been tested under adverse conditions and its performance has won for it instant recognition as one of the season's greatest radio developments.

PUSH-PULL POWER AUDIO

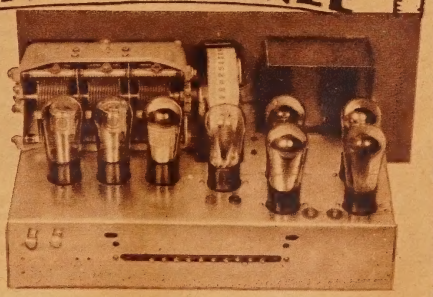
The Knight 8 D-C Circuit is a perfected circuit. Back of it is the experience gained in many years of radio research. Employing 8 tubes in three stages of radio frequency, detector and two transformer coupled audio stages plus push-pull amplification using two power tubes. Each tube does its full share of work and makes Knight the Receiver without a peer.

SINGLE ILLUMINATED DRUM CONTROL

Perfect engineering. Rugged mechanical design. Single tuning control. One knob symmetrically located at the center of the panel turns the die-cast drum. A miniature lamp illuminates the translucent scale from behind. Smooth, positive operation. Vernier reduction for perfect tuning. Highest quality construction. The sub-chassis is of heavy gauge metal, cadmium plated. The triple gang condenser is of the new cast frame type permitting perfect phasing.

SELECT YOUR OWN CONSOLE

The Knight 8 D-C Chassis comes equipped with a velvety green metal panel embellished with gold bronze Chinese design escutcheon plates. The chassis measures 18 in. by 8 in. by 9 in., and is adaptable for use with practically all of the consoles listed in this catalog.



CHASSIS ONLY AS ILLUSTRATED

This remarkable Knight 8 D-C Chassis offers the live dealer unusual profit making possibilities. Its performance is comparable to only the finest D-C Receivers. Its beautiful illuminated drum control coupled with its efficient construction stamps it out as an unusual value at the low price quoted. Shpg. wt., 40 lbs.

No. 9855.
Retail list, $70.00
YOUR PRICE.....

$30.50

THE GLADIATOR

SHIELDED 8 Battery Operated

THE RADIO DELUXE

HERE is the outstanding model of the famous Knight 8 D-C Receivers. It combines a beautiful genuine walnut console with the highly efficient Knight 8 Circuit—and with it a genuine Farrand Magnetic Type Cone Speaker, noted for its wonderful tone and volume. Everything entering into its construction is of the finest. It is a leader in both beauty and performance, and is recommended to those who want the best at any price.

Powerful—Sensitive

One of the greatest achievements in the Knight 8 D-C Circuit is non-critical sensitivity that brings in distant stations with unusual ease. It is the ideal circuit for both city and country use. It is designed for the discriminating radio enthusiast who wants the ultimate in power and range combined with unusual sensitivity and selectivity.

Single Drum Control

The famous Knight 8 Gladiator Circuit employs 8 tubes in three stages of tuned radio frequency, detector, and two transformer coupled audio stages, plus push-pull amplification using two power tubes, three stages RF assures wonderful distance range while push-pull audio assures the finest in tone quality. Only one single tuning control. Smooth operating illuminated drum with beautifully designed bronze escutcheon plate.

Genuine Farrand Speakers Built-In

Farrand Speakers because of their beautiful soft, mellow tone quality and ample volume carrying capacity are used as standard equipment in the Gladiator Receiver. With beauty of tone so outstanding that words alone can not describe it, power has not been neglected. The push-pull audio amplification system builds up volume on distant stations with remarkable efficiency. Its soft, mellow tone quality proves the delight of all who hear it.

PUSH-PULL AUDIO

The use of power amplification tubes in the push-pull amplification system of the Knight Circuit assures tremendous volume without distortion. It provides a soft, mellow tone quality that can only be likened to the original rendition. Its tone quality and volume invites comparison with the highest priced sets.

BEAUTIFUL WALNUT CONSOLE

The beautiful genuine walnut Gladiator Console stands 40½ in. high by 25¼ in. wide by 14¾ in. deep. Its beautiful finish in two-tone walnut presents an unusually rich appearance. Its design and proportions is the work of skilled furniture designers. The attractively shaped panel cut out balances perfectly with the beautifully designed speaker grill. The two dark tone walnut panel over-lays along the sides add to its dignified appearance. The beautifully turned legs and ornamental cross stretcher provide unusual rigidity.

SELECTIVITY

Perfectly engineered and constructed of only the finest parts, the Knight 8 D-C Circuit is unusually selective. It cuts right through the locals and brings in the distant stations with remarkable ease and fidelity. Overlapping of stations and interference is practically eliminated. Its shielded construction assures sharpness in tuning.

Set Only As Illustrated

Here the Gladiator Knight 8 D-C Receiver is offered without accessories. It consists of the famous Knight 8 Chassis housed in a beautiful genuine walnut console of striking design and appearance. Equipped with a genuine Farrand Magnetic Type Cone Speaker that has earned for itself an enviable reputation for tone quality and volume. It offers the ideal combination for real radio satisfaction. Its low price should not be confused with its quality. It offers you the utmost in an efficiently designed, beautifully housed 8 tube D-C Receiver. Shipping weight, 125 lbs

No. 9909.

Retail list, $120.00.

YOUR PRICE..... **$56.35**

COMPLETE—READY TO OPERATE WITH ALL ACCESSORIES

Here the Gladiator Receiver is offered complete with all accessories ready to set up and operate. Equipment includes five type X201A Tubes, one type X200A, two type X112A Power Tubes, one 6-volt Storage "A" Battery, 3 45-volt "B" Batteries, 2 "C" Batteries, along with all necessary aerial and ground equipment. Has genuine Farrand Magnetic Cone Speaker built in. An exceptional value at the low price quoted. Shipping weight, 210 lbs.

No. 9910. Retail list, $160.00.

YOUR PRICE **$76.80**

Push-Pull Amplification Power Speaker

The Camden 6 tube D-C Battery Operated Receiver

43.45

A RARE RADIO VALUE

IN the design and manufacture of the Camden Knight 6 tube battery operated receiver, only the finest parts are used to assure utmost efficiency. Careful matching of the radio frequency coils coupled with rigid inspections and many tests through process of assembly impart to this receiver unusual efficiency. The substantial triple gang condenser with the heavy bath tub type frame is perfectly balanced enabling the receiver to operate at peak efficiency from the highest to the lowest wave lengths in the broadcast band.

THE KNIGHT D-C CIRCUIT

In the Knight 6 tube D. C. circuit, you are offered the combined power of six tubes—each tube DOING ITS FULL SHARE OF WORK producing unusual power and sensitivity plus HAIR SPLITTING SELECTIVITY. The circuit consists of one stage untuned and two stages tuned radio frequency amplification, THE DETECTOR STAGE IS OF THE TUNE RADIO FREQUENCY type, while the audio system consists of two stages transformer coupled audio employing a power tube in the last or output stage.

A SALES LEADER

The tremendous demand on the part of the buying public for a high grade six tube battery operated receiver in a console cabinet assures unusual popularity for the Camden. Dealers are urged to make the Camden one of THEIR FEATURE RECEIVERS FOR THE SEASON. Its extremely low price assures for it UNUSUAL SALES POSSIBILITIES.

WONDERFUL TONE AND VOLUME

The Camden receiver comes to you equipped with a GENUINE FARRAND MAGNETIC TYPE CONE SPEAKER. The remarkable capacity of this speaker covers the FULL RANGE OF MUSICAL AND AUDIBLE FREQUENCY RECREATING BOTH THE HIGH AND LOW NOTES WITH REMARKABLE FIDELITY. It brings to listening ears a range of TONAL BEAUTY, that covers the entire musical scale, providing perfect rendition of the CRESCENDO, of the SYMPHONY and the FINE SHADING OF THE OVERTONES of the VIOLIN and bass VIOL.

ILLUMINATED DRUM DIAL

The Camden receiver features a PRACTICAL SINGLE DRUM CONTROL with a translucent scale illuminated from behind by a miniature Mazda lamp. The vernier construction of this drum PERMITS UNUSUALLY FINE TUNING. The metal front panel is attractively finished in a JADE GREEN COLOR and EMBELLISHED WITH ATTRACTIVE CHINESE DESIGN ESCUTCHEON PLATES. A volume control permits POSITIVE ADJUSTMENT of volume from a whisper to the FULL ROUND VOLUME of an orchestra playing in the room.

REMARKABLE DISTANCE RANGE

The perfect matching of all parts used in the construction of the Knight six tube D. C. receiver results in a finished chassis that is AT ITS PEAK OF EFFICIENCY. The circuit design, in keeping with modern radio engineering procures from each tube ITS FULL SHARE OF POWER and imparts to the receiver proper an OVER-ALL EFFICIENCY that proves the INSTANT DELIGHT of all who tune this famous receiver. Efficient shielding reduces stray pickup to a minimum, and results in UNUSUAL SELECTIVITY in operation.

CONSOLE OF GENUINE WALNUT

The attractive Camden console is finished in an attractive two tone hand rubbed finish that preserves the natural grain and beauty of its selected walnut panels. Only the finest combination walnut plywood is used in its construction and this coupled with the modern cabinet manufacturing methods employed in its manufacture has produced a real piece of furniture. For durability in construction and beauty of finish, it stands in a class by itself. It answers the popular demand for simple, yet dignified radio furniture. Console stands 36½ inches high, 22 inches wide and 15¼ inches deep.

SET ONLY AS ILLUSTRATED

The Camden receiver complete with the Knight 6 tube battery operated receiver and genuine Farrand Magnetic Type Cone Speaker is here offered at a price far below its actual value. The beautiful console with its unusual speaker equipment will find a ready welcome in the most finely furnished homes. It offers the ideal combination for real radio satisfaction. Shipping weight 125 pounds.

No. 9958. Retail list $100.00.

YOUR PRICE.....

$43.45

SET COMPLETE WITH ALL ACCESSORIES

Here the Camden receiver is offered complete with all accessories ready to set up and operate. Equipment includes four type X201-A tubes, one type X200 detector tube, one type X112-A power tube along with all necessary aerial and ground equipment with one storage "A" battery, three 45-volt "B" batteries and two "C" batteries.

No. 9959. Retail list $122.50.

YOUR PRICE.....

$59.90

Shielded Knight Battery Operated Wellington 6

SINGLE ILLUMINATED DRUM CONTROL

THE insistent demand on the part of the radio buying public for an efficiently designed six-tube one dial D-C Receiver finds its answer in the new Knight Wellington Six. Engineered to a perfection seldom found in receivers of this type. Its efficient design takes from each tube its full power, resulting in unusual sensitivity and selectivity. Everything entering into the construction of the Wellington Six is the finest, and all parts are carefully matched. The triple gang condenser is mounted in an aluminum die cast frame of the new bath-tub type. Its wide spaced plates and ample size bearings assure perfect alignment and balancing without variations due to external stresses. The sockets are of the double spring type assuring perfect contact. The circuit is housed in beautiful designed metal cabinet of various colors.

POWERFUL

The careful matching of parts used in the construction of the Wellington Six assures peak efficiency. The circuit is accurately balanced providing maximum power from the lowest to the highest wavelengths. Its attractive illuminated one-dial control brings in the distant stations like locals.

THE KNIGHT D-C CIRCUIT

The Knight D-C Circuit is establishing a new standard for radio. Its remarkable six tube efficiency is comparable in every way to the finest receivers. The circuit employs one stage untuned radio frequency amplification, two stages of tuned radio frequency amplification, one tuned radio frequency detector stage and two stages of transformer coupled audio amplification.

SELECTIVE

Perfect balancing in the Wellington Six Receiver along with efficient shielding provides unusual selectivity. Overlapping and interference from nearby stations is practically eliminated. It is non-critical, providing extreme ease in tuning. The beautiful metal cabinets completely shield the receiver.

SET ONLY AS ILLUSTRATED

The famous Wellington Six D-C Receiver is here offered without accessories. It offers you an unusual value in a remarkable, efficient, high grade six-tube D-C Receiver. In constructional details and electrical characteristics, it stands out as one of the season's finest D-C Receivers. Shipping weight, 35 lbs.

No. 9881. Brown bronze.
No. 9911. Chinese red.
No. 9913. Chinese green.
Retail list, $60.00.
YOUR PRICE..... **$27.50**

SET WITH ALL ACCESSORIES

Here the Shielded Knight Wellington Six is offered complete with all accessories, except speaker. Equipment includes 4 type X201A tubes, 1 type X200A tube, 1 type X112A power tube, 1 6-volt storage "A" battery, 3 45-volt "B" batteries, 2 "C" batteries, and aerial and ground equipment. Shipping weight, 110 lbs.

No. 9882. Brown bronze.
No. 9912. Chinese red.
No. 9914. Chinese green.
Retail list, $90.00.
YOUR PRICE..... **$43.95**

THE FAMOUS WELLINGTON 6 CHASSIS

A PERFECTED D-C CIRCUIT

FOR BATTERY OPERATION

THE use of only the finest parts in the construction of the Knight Six D-C Chassis along with perfect engineering assures tremendous efficiency. The triple gang condenser is housed in a heavy die cast aluminum frame, assuring a perfect alignment of the condenser plates. The sub-chassis is die formed in one piece of 16-gauge metal heavily cadmium plated. The coils are space wound of enameled wire on special Bakelite tubing of uniform size permitting accurate matching.

PERFECT BALANCING FOR RF POWER

The perfect matching and balancing of all parts in the Knight Circuit produces tremendous radio frequency amplification resulting in unusual sensitivity and distance range. It is cable wired, eliminating all loose hanging wires. Its splendid illuminated drum provides perfect control and simplifies tuning. Smooth, positive operation without backlash.

SENSITIVE

Perfecting matching of the RF Coils used in Knight-Six Chassis and the use of efficient shielding assures unusual sensitivity. Its remarkable distance range makes it the ideal receiver for use where economical operation is desired.

Symmetrical Panel

Skyscraper construction. Built to last a lifetime. The distinctive embossed bronze escutcheon plate with illuminated drum control is at the exact center of the panel with the small volume control and switch knobs at each side.

CHASSIS ONLY

The famous Knight-Six Chassis is here offered without tubes or accessories. It comes equipped with a beautiful velvety green mat finish metal panel with beautiful Chinese designed escutcheon plates. The panel measures 8 in. by 18 in., while the chassis itself measures 9 in. deep. It is adaptable for use with any of the consoles listed in this catalog. Shipping weight, 25 lbs.

No. 9856.
Retail list, $50.00.
YOUR PRICE **$22.50**

Battery Operated
SHIELDED SIX TUBE
Gothic Model

WONDERFUL TONE QUALITY

IN the design of the Gothic Model Knight Shielded Six-Tube D-C Receiver tone quality was considered of utmost importance. How well the Allied Engineers have accomplished this is amply attested in the soft mellow tone quality and tremendous volume that the Gothic Model offers you. The combined power of six tubes—each tube doing its full share of work, producing unusual power and sensitivity—plus hair-splitting selectivity. Shielded construction provides razor-like selectivity.

POWER TUBE AUDIO AMPLICFIATION

The use of power tube equipment in the audio circuit of the Gothic Model assures unusual volume without distortion. The elimination of distortion results in a soft mellow tone quality that is comparable in every way with the highest priced receivers. It offers you the same wonderful tone quality on distant stations as well as on locals.

ILLUMINATED DRUM CONTROL

The attractive velvety green finish panel is further enhanced by the attractive Gold Bronze escutcheon plates in Chinese design. The single control illuminated drum provides positive action with a total absence of backlash or slipping. The drum is vernier type having three to one ratio. The translucent drum scale is illuminated from behind with miniature mazda lamp.

THE GOTHIC CONSOLE

The beautiful Gothic Console persents a massive dignified appearance. Its exquisite design and substantial construction is the work of one of the country's finest cabinet manufacturers, having a reputation of years standing for the production of quality radio furniture. Only the finest carefully selected walnut ply-wood is used in its construction. Its beautiful hand-rubbed lacquer finish retains all the natural beauty of the grain of this select wood. The console stands 39½ in. high, by 22½ in. wide, by 16 in. deep.

YOUR BETTER TRADE

The unusual popularity of the Ortho-Type Console assures a tremendous response on the part of the radio buying public for this model. Equipped with a genuine Farrand Magnetic Cone Speaker it offers an ideal combination for quality reception.

THE KNIGHT 6 D-C CIRCUIT

The famous Knight 6 D-C Circuit with which the Gothic Model is equipped consists of one stage untuned and two stages of tuned radio frequency amplification. The Detector stage is of the tuned radio frequency type, producing unusual sensitivity. The audio amplifying system consists of two stages transformer coupled audio employing a power tube in the last or output stage.

VELVETY GREEN METAL PANEL

In the construction of the Gothic Model nothing has been overlooked that would add to its efficiency or attractiveness. From the beautiful velvety green panel with its Gold Bronze Chinese design escutcheon plates to the unique design of its Gothic style grill and the remarkable hand-rubbed finish of the console it stands forth as one of radio's greatest values.

POWER PLUS

SELECTIVITY — SENSITIVITY

The use of only the finest parts in the construction of the Knight 6 D-C Circuit assures utmost efficiency. The radio frequency coils are carefully tested and perfectly matched for each receiver. The substantial triple gang condenser with its heavy bath-tub type die cast frame is perfectly balanced, enabling the receiver to operate at peak efficiency from the highest to the lowest wavelengths in the broadcast band. Efficient shielding reduces to a minimum all stray pick-up, and inter-stage coupling providing unusual selectivity and punch. Such careful construction and design imparts to the Gothic Model a distance range and punch seldom found in six tube receivers.

SET ONLY WITH FARRAND CONE

Equipped with a genuine Farrand Magnetic Cone Speaker the Gothic Model offers you the ideal combination of tone, volume, selectivity, sensitivity and power, in fact, everything you look for in the finest receivers. Its low price assures for it tremendous popularity. Shpg. wt., 120 lbs.
No. 9920.
Retail list, $110.00.
YOUR PRICE..... **$49.00**

COMPLETE WITH ACCESSORIES READY TO OPERATE

Here the famous Gothic Model is offered with all necessary accessories for its operation. Nothing has been overlooked. It comes to you complete ready to set up and operate. Equipment includes 4 type 201-A Tubes, 1 type 200-A Detector Tube, 1 type X112 Power Tube along with all necessary aerial and ground equipment, with 1 Storage "A" Battery, 3 45-volt "B" Batteries, and 2 "C" Batteries.
No. 9921. Retail list, $140.00. YOUR PRICE..... **$65.45**

the WINONA COMBINATION PHONO-RADIO 8/9 AC ALL ELECTRIC

$165

A-C ELECTRIC REPRODUCTION for TONE QUALITY

SUPREME IN QUALITY

THE modern demands for perfection in radio reproduction has resulted in a design of this unique radio phonograph combination offering a tone quality and operating efficiency comparable in every way to the highest priced receiving and reproducing instruments.

KNIGHT 8/9 RECEIVER

Designed for all electric A.C. operation. The receiver employs a total of nine tubes as follows: 3 stages of radio frequency amplification, one tuned radio frequency detector stage, two transformer coupled audio stages and one push-pull power audio amplification stage, employing power tubes. Designed for operation on 105-120 volt, 50-60 cycle A.C. current.

GENUINE WALNUT CONSOLE

The beautiful Winona console stands 54 inches high. Its unique, yet practical design, provides utmost utility. The attractive grill illustrated below is in the form of a slide covering the phonograph compartment when not in use and dove-tailing back under the lid of the console when the phonograph equipment is being used.

Only the finest walnut panels are used with butt matched doors with attractive over-lays.

ELECTRIC REPRODUCTION

The advent of the new electrically recorded phonograph records has established a new tone standard and the same records when reproduced through the Winona combination offer you the utmost in tone quality with a volume that is under instant control from a whisper to the full round volume of a crescendo.

EQUIPPED WITH GENUINE DYNAMIC POWER SPEAKER

In the Winona combination phono radio console, you are offered the utmost in speaker equipment. The genuine dynamic power cone speaker which is furnished is built by one of the country's foremost speaker manufacturers backed by a reputation of years of standing for the production of quality reproducing instruments. More detailed description of this remarkable dynamic speaker will be found on page 24.

The tremendous output of the REMARKABLE AUDIO SYSTEM of the Knight receiver with its UNLIMITED VOLUME AND CLARITY of tone finds full expression in this high grade speaker.

The phonograph turn table is powered by an IMPROVED TYPE ELECTRIC MOTOR having NO BRUSHES or commutator to set up disturbances in the receiver.

NEW LOW PRICES

Never before have you BEEN OFFERED SUCH OUTSTANDING QUALITY, such real "HONEST TO GOODNESS" value as is PRESENTED IN THE WINONA COMBINATION. A complete description of THE KNIGHT 8-9 RECEIVER with which it is equipped will be found on PAGE 14. Tubes not included.

No. 9947. Retail value, $350.00.

YOUR PRICE,

$165

Complete With Tubes

Here the Winona COMBINATION RADIO PHONOGRAPH is offered complete with ALL EQUIPMENT including five X226 A.C. tubes, one type Y227 detector tube, two type X171-A power tubes and one type X280 rectifier tube along with THE NECESSARY AERIAL EQUIPMENT.

No. 9948. Retail price, $375.00.

YOUR PRICE,

$179